1982
ONTARIO
MINERAL
SCORE

A Computer Analysis
of
The Mineral Industry of Ontario
to
31 December, 1982

prepared by
The Mineral Statistics Section

Ontario

Ministry of
Natural
Resources

Hon. Alan W. Pope
Minister

W.T. Foster
Deputy Minister

VIDEO
CENSUS
SERIES
No. 2

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'SCORE'

The word SCORE has two meanings in this report:

(1) it means a record of the standing of the Ontario Mineral Industry within the world market; and,

(2) it also means Screen Co-ordinated Resource Evaluation, (S-CO-R-E), the computer program which produced this report.

As to the standing of The Ontario Mineral Industry; few people in the world produce the variety and wealth of minerals as do the men and women of Ontario. The 40,000 employees of Stage I and II of the mineral industry produce over 30 different minerals. Many of these minerals are further processed in Ontario in Stage III to a value of over $8 Billion annually.

As vital as these minerals are to the well being of the people of Canada, over 90% of the minerals are exported to other nations making Ontario one of the leading exporters of minerals in the world.

At home, Ontario Stone paves thousands of miles of smooth expressways ,Gypsum supports our walls and Sulphur and Salt supply industries with basic chemicals. Beyond our borders, Ontario's Copper and Nickel are used in automobiles throughout the world, its Uranium powers some of the industries of the United States of America, its Platinum is used in surgical instruments in thousands of hospitals and its Gold is enjoyed by millions of newlyweds everywhere.

The SCORE System

(Screen COordinated Resource Evaluation)

is a system of computer programs which combine a Video Screen Generator and a Data Base Management System in order to evaluate the Mineral Industry of Ontario.

Within The SCORE System are programs called the VIDEO CENSUS which allow the staff of the Mineral Statistics Section to enter the data from the Annual Census of Mines, Quarries and Sand Pits into video screen images of the Census Questionnaires.

No card punchers, coding forms or key-to-tape facilities are required. Instead, the analysts of the Mineral Statistics Section who collect the Census data, talk to the mineral companies and analyze the data for reliability are the same staff who enter the data interactively into over 200 different video screen images of the Census Questionnaires. From that point on the data is controlled by the analysts completely electronically from Census Questionnaire Image to this laser printed report. As a result transcription errors are reduced dramatically. The data from many years of Census and data from other reliable sources are merged in the Data Base Management System. The data is then crosschecked, stored, analyzed, and screened to remove the company name and then reported with increased accuracy and with half of the labour required by the previous manual census.

System Development

The SCORE System was developed in 1980 and 1981 by the Mineral Statistics Section of The Ministry of Natural Resources and Dataline Systems Limited. Gary L. Weatherson, Supervisor of The Mineral Statistics Section and EDP Coordinator for The Mineral Resources Group designed and managed the development of the computer system and V. Kong, A. Kroll, B. Thomas, A. Walford and G. Weatherson programmed the system.

In 1982 the following people established the data base and tested the system:

M. Davis, L. Gartley, S. Lin, D. Shewchuk, and H. Sookram

MicroSCORE

In 1982, part of the SCORE System was downloaded to microcomputers. The large datasets are still processed by a mainframe computer and some of the reports are then downloaded and modified on microcomputers. As a result we have, for example, been able to compress the graphs and tables at the back of this report from 126 pages to 64 pages and add new features. Because hundreds of Megabyte size datasets are processed the mainframe is still the essential tool in the SCORE System

TABLE OF CONTENTS

Page ****

Definition of The "Mineral Industry" 8

Summary of Operations, 1982 and 1981 9

Average Canadian Mineral Prices in 1982 10

Average Canadian Mineral Prices in 1981 11

Methods Used In Computing Mineral Production In 1981 12

Standard Industrial Classification 16

Addresses of Major Companies 17

Metric Conversion Factors 27

Constant $1971 Conversion Factors 28

Employment and Employee Productivity in Ontario 29

Volume and Value of Ontario Mineral Commodity Production in 1981 39

Volume and Value of Ontario Mineral Commodity Production in 1980 49

Volume and Value of Ontario Mineral Commodity Production in 1979 59

Volume and Value of Ontario Mineral Commodity Production in 1978 69

Volume and Value of Ontario Mineral Commodity Production in 1977 79

Volume and Value of Ontario Mineral Commodity Production in 1976 89

Direct Costs of The Mineral Industry in Ontario 99

Fuel and Electricity Used in The Mineral Industry of Ontario 107

Cost of Fuel and Electricity Used in The Mineral Industry of Ontario 115

Exploration, Development and Production Work in The Mineral Industry of Ontario 119

Smelting of Metallic Minerals Mined in Ontario 125

Refining of Metallic Minerals Mined in Ontario 129

**** REFERS TO PAGE NUMBER AT TOP LEFT HAND CORNER OF PAGE

All of the Reports in this series were generated by computer and some programs have generated their own page numbers in top right hand corner.

Mining claims and Prospector's Licences 133

Assessment Work Recorded (in days) 137

Production of Stone Industry 141

Mineral Commodities Produced in Ontario in 1981 by Mines in Selected Standard Industrial Classes 145

Production of The Sand and Gravel Industry 156

Volume and Value of Mineral Production in 1975 to 1982 in Ontario, Canada and The World 159

Preliminary Estimate of The Mineral Production of Canada by Province 1982 169

Revised Statistics of The Mineral Production of Canada by Province 1981 , 1980 and 1979 173

Percent Change of The Mineral Production of Canada, by Province 1982 vs 1981 (Volume and Value) 187

Percent Change of The Mineral Production of Canada, by Province 1982 vs 1981 (Value and "real" Value) 191

Percent Change of The Mineral Production of Canada, by Province 1981 vs 1980 (Volume and Value) 195

Percent Change of The Mineral Production of Canada, by Province 1981 vs 1980 (Value and "real" Value) 199

Historical Series of Mineral Production in Ontario by Commodities 203

- Asbestos 204
- Bismuth 206
- Cadmium 208
- Calcium 210
- Cement 212
- Clay Products 214
- Cobalt 216
- Copper 218
- Gold 220
- Gypsum 222
- Iron Ore 224
- Lead 226
- Lime 228
- Magnesium 230
- Natural Gas 232

Nepheline Syenite 234
Nickel 236
Peat 238
Petroleum 240
Platinum Group 242
Quartz 244
Salt 246
Sand and Gravel 248
Selenium 250
Silver 252
Soapstone, Talc 254
Stone 256
Sulphur 258
Tellurium 260
Tin 262
Uranium (U) 264
Zinc 266

Definition of The "Mineral Industry"

There are no definite boundaries to the vast mineral industry and few industries have clearly defined boundaries because they overlap in complex ways. Analysts, for the purpose of reporting, may define boundaries for which no suitably defined statistics are available or may label a set of statistics as relating to the "mineral industry" when in fact it relates to the subset called the "mining industry".

The analysts who produced this VIDEO CENSUS and programmed the computers to define the "mineral industry" a certain way also had to define boundaries and select a source of information which was reliable within those boundaries.

----------ONTARIO ECONOMIC SYSTEM----------> TO MARKET

----------ONTARIO MINERAL INDUSTRY---------->

STAGE I

MINING INDUSTRY

THIS STAGE INCLUDES:

EXPLORATION
DEVELOPMENT
MINING
BENEFICIATION

SCRAP

THE PRODUCT OF THIS STAGE IS A HIGH-GRADE ORE OR A CONCENTRATE OR A PELLET. IN SOME INSTANCES, A RELATIVELY PURE MINERAL IS OBTAINED.

STAGE II

METALLURGICAL EXTRACTION INDUSTRY

THIS STAGE INCLUDES:
ROASTING
CALCINING
AGGLOMERATION
DIRECT - REDUCTION
LEACHING
SMELTING
REFINING

(USED EITHER SINGULARLY OR IN COMBINATION)

THE PRODUCT OF THIS STAGE IS A RELATIVELY PURE METAL OR ALLOY

STAGE III

MINERALS/METALS-BASED SEMI-FABRICATING INDUSTRY

THE CONVERSION OF MINERALS OR METALS INTO SHAPES OR FORMS THAT CAN BE READILY USED IN MANUFACTURING OPERATIONS.

OUTPUT INCLUDES:

RODS
BARS
ANGLES
PLATES
SHEETS
WIRE
CABLE
PIPE

TUBE
FORGINGS
CASTINGS
FITTINGS
FRICTION MATERIALS
AND OTHER PRODUCTS

MINERALS AND METALS-BASED MANUFACTURING

Includes metals, non-metallics and structural materials.
(The Energy minerals Uranium, Thorium and Yttrium are classified as metals.)

Reliable statistics are only available for Stages I and II, beyond that the boundaries of Stage III become very nebulous. However, Stage III is a very important part of the mineral industry and it is estimated that over 50,000 employees of Stage III add at least $4 billion to the $4 billion value of minerals produced by the 44,000 employees of Stages I and II.

It is,therefore, estimated that the Mineral Industry of Ontario in 1980 alone produced minerals worth over $8 Billion.

SUMMARY OF OPERATIONS

ESTIMATE OF 1982 MINERAL PRODUCTION

The total value of minerals mined in Ontario in 1982 amounted to $3,157,106,000 The value of metallics was $2,307,710,000, non-metallics $146,912,000, fuels $51,959,000, structural materials $618,638,000, and other minerals $31,887,000.

1981 MINERAL PRODUCTION

The total value of minerals mined in Ontario in 1981 amounted to $4,130,872,231. The value of metallics was $3,319,634,589, non-metallics $137,905,452, fuels $45,668,315 and structural materials $627,663,875.

The volumes of metals contributing most to the value of output were: 130,268,510 kilograms of nickel valued at $1,001,217,989 (24.2% of the total value of mineral production in Ontario); 226,384,780 kilograms of copper valued at $521,019,544 (12.6%); 4,859,497 kilograms of uranium valued at $522,011,958 (12.6%); and 18,307,895 grams of gold valued at $333,797,134 (8.1%). The aggregate value of these four major metals amounted to $2,378,046.625 and accounted for 57.6% of the total value of mineral production in Ontario.

In 1981, the Ontario Metal Mines (classified to mining sectors on the basis of the volume of component metals contained in mined ores) employed 25,808 people and milled 45,019,020 tonnes of ore containing metals worth $3,336,370,532 (averaging 1,744 tonnes and $129,277 per employee). In 1966, the Metal mines employed 27,156 people and milled 39,030,893 tonnes of ore containing metals worth $2,181,293,600 (in 1981 dollars) (averaging 1,437 tonnes $80,325 per employee). While the total employment in these mines in the 1966-1981 period decreased by 5% the tonnage of ore milled increased by 15.3% and the value of metals removed increased by 53%.

Stages I and II of the Mineral Industry employed 43,700 men and women in 1981. In addition, it is estimated that stage III (the minerals and metals-based semi-fabricating industry) employed over 50,000 people and contributed an additional $4 Billion to Ontario. Together, Stages I,II, and III of the Mineral Industry of Ontario regularly employ over 90,000 people and contribute about $8 Billion to the economy.

EXPLORATION ACTIVITY

Although mineral production was down, there was a significant increase in exploration activity which indicated renewed interest in minerals in Ontario. Exploration diamond drilling in 1981 was up 16% over 1980. In particular, drilling by Gold Quartz mines increased by 33,598 metres, up 46%; and drilling by Silver Cobalt mines increased by 10,241 metres, up 92%.

Other indicators of interest; the exploration, development and capital expenditures by mining and development companies in Ontario were up 37% in 1981.

In 1982 the total assessment work done on mining claims increased by 7% over 1981: Manual Labour was up 31%; Diamond drilling was up 9%; Geological survey work was up 41%; Geochemical survey work was up 400% and Assaying was up 108%.

AVERAGE PRICE IN CANADA IN 1982

MINERAL COMMODITY	UNIT	CANADIAN DOLLARS
ASBESTOS	TONNE	490.260
BISMUTH	KG	6.050
CADMIUM	KG	3.020
CALCIUM	KG	7.480
CEMENT	TONNE	72.510
COAL	TONNE	30.040
COBALT	KG	31.120
COLUMBIUM (CB205)	KG	6.700
COPPER	KG	1.950
GOLD	G	14.880
GYPSUM	TONNE	7.440
IRON ORE	TONNE	35.120
LEAD	KG	.720
LIME	TONNE	67.940
MAGNESIUM	KG	3.440
MOLYBDENUM	KG	21.470
NATURAL GAS	KCU.M	95.980
NATURAL GAS BY-PROD.	CU.M	119.940
NEPHELINE SYENITE	TONNE	33.470
NICKEL	KG	6.550
PEAT	TONNE	121.700
PETROLEUM CRUDE	CU.M	163.550
PLATINUM GROUP	KG	11512.110
POTASH (K20)	TONNE	120.410
PYRITE PYRRHOTITE	TONNE	11.000
QUARTZ	TONNE	20.420
SALT	TONNE	19.990
SAND & GRAVEL	TONNE	2.240
SELENIUM	KG	18.950
SILVER	KG	314.590
STONE	TONNE	4.120
SULPHUR	TONNE	83.430
TANTALUM (TA205)	KG	132.450
TELLURIUM	KG	38.050
TIN	KG	17.970
TUNGSTEN (WO3)	TONNE	N/A
URANIUM (U)	KG	99.550
ZINC	KG	1.070

AVERAGE PRICE IN CANADA IN 1981

MINERAL COMMODITY	UNIT	CANADIAN DOLLARS
ASBESTOS	TONNE	488.780
BISMUTH	KG	6.670
CADMIUM	KG	4.940
CALCIUM	KG	7.480
CEMENT	TONNE	65.640
COAL	TONNE	26.750
COBALT	KG	52.110
COLUMBIUM (CB205)	KG	6.790
COPPER	KG	2.210
GOLD	G	17.720
GYPSUM	TONNE	6.670
IRON ORE	TONNE	35.280
LEAD	KG	.980
LIME	TONNE	60.220
MAGNESIUM	KG	3.440
MOLYBDENUM	KG	17.030
NATURAL GAS	KCU.M	86.970
NATURAL GAS BY-PROD.	CU.M	111.130
NEPHELINE SYENITE	TONNE	28.520
NICKEL	KG	7.730
PEAT	TONNE	111.630
PETROLEUM CRUDE	CU.M	126.810
PLATINUM GROUP	KG	11442.280
POTASH (K20)	TONNE	151.230
PYRITE PYRRHOTITE	TONNE	11.000
QUARTZ	TONNE	19.000
SALT	TONNE	18.170
SAND & GRAVEL	TONNE	1.990
SELENIUM	KG	33.980
SILVER	KG	405.790
STONE	TONNE	3.670
SULPHUR	TONNE	78.970
TANTALUM (TA205)	KG	222.740
TELLURIUM	KG	35.130
TIN	KG	15.760
TUNGSTEN (WO3)	TONNE	N/A
URANIUM (U)	KG	105.800
ZINC	KG	1.200

METHODS USED IN COMPUTING
MINERAL PRODUCTION 1981

Cadmium - Cadmium is associated with zinc. It is recovered in the refining of zinc by Cominco Ltd. at Trail, British Columbia, by Hudson Bay Mining and Smelting Co. Ltd. at Flin Flon, Manitoba, by Kidd Creek Mines Ltd. at Timmins, Ontario, and by Canadian Electrolytic Zinc Ltd. at Valleyfield, Quebec.

Production consists of cadmium metal recovered at these smelters and the recoverable content of cadmium in the zinc-lead concentrates exported.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Calcium - The only producer is Chromasco Limited at Haley, Ontario. Output figures represent calcium metal, plus calcium content of alloys.

Cobalt - Production includes:
(a) Cobalt metal produced at Canadian smelters, plus the Cobalt content of salts and oxides made at these smelters. Recoveries from imported concentrates are excluded. The value is the total sales value of these products as reported by the smelters.

(b) Cobalt content of ores and concentrates exported and valued at the average yearly industry price x volume.

Copper - Production includes: (a) Recoverable copper (metal paid for) in ores and concentrates shipped for export.

(b) Copper content of blister copper made at Canadian smelters.

(c) Copper content of nickel-copper matte shipped for export by Canadian smelters. No allowance is made for losses in treatment of the matte, as practically all of the copper is recovered.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Gold - Production includes:

(a) Gold in crude bullion obtained direct from lode gold and other mines.

(b) Gold in blister copper made at copper smelters.

(c) Gold in base bullion made by lead smelters.

(d) Gold in all types of ores, concentrates, matte, etc., shipped for export.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Iron ore - Production figures represent product shipments from specific locations at the values shown by the shippers.

Lead - Production includes:

Recoverable lead (metal paid for) in ores and concentrates shipped for export or shipped to either Brunswick Mining and Smelting Corporation, Belledune, N.B; or Cominco Ltd. Trail, B.C.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Magnesium - Chromasco Limited, Haley Ontario, is the only Canadian producer. Output figures represent magnesium metal, plus magnesium content of alloys, values are those shown by the shipper.

Nickel - Production includes:

(a) Refined and electrolytic nickel produced at Canadian refineries, valued at the average price obtained for such products sold during the year.

(b) Nickel in nickel oxides and in nickel salts sold from Canadian smelters and refineries during the year at the total selling value of these products.

(c) Nickel in matte shipped for export from Canada valued at average yearly industry price x volume.

Platinum group metals - Production includes:

(a) Recoverable metals in smelter and refinery products shipped for export.

Beginning with 1946, the platinum metals production is the assay content of concentrates and refinery residues shipped for export, plus the platinum group metal content of the matte shipped for export. Quantities as reported are valued at average yearly industry price x volume.

Selenium and tellurium - Selenium and tellurium are produced as by-products by INCO Limited, at Copper Cliff, Ontario. The quantities reported are valued at the average yearly industry price x volume.

Silver - Production includes:

(a) Silver in crude bullion obtained direct from lode gold mines.

(b) Silver in blister copper made at copper smelters.

(c) Silver in base bullion made at lead refineries.

(d) Silver in all types of ores shipped for export.

(e) Silver in nickel-copper matte shipped for export.

(f) Silver in platinum-palladium concentrates shipped for export.

Total silver, as computed from above, is valued at the average yearly industry price x volume.

Tin - Canada has no commercial tin deposits. A small tonnage is recovered as a by-product by a base metal mine and value is based on settlement value as reported.

Uranium - Production consists of the uranium content of precipitates shipped with values as reported by the producers.

Zinc - Production includes:

(a) Refined zinc made by Kidd Creek Mines at Timmins Ltd., Ontario from their own ores.

(b) Recoverable zinc (metal paid for) in concentrates shipped for export or shipped to the following domestic smelters: Canadian Electrolytic Zinc Ltd., Valleyfield, Quebec; Cominco Ltd., Trail, B.C. and Hudson Bay Mining and Smelting, Flin Flon, Manitoba.

Value is based on settlement value as reported or when settlement value is not available it is based on the average yearly industry price x volume.

Barite - Production is the shipments at the selling value, f.o.b. shipping point.

Gemstones - Production represents the tonnage of crude ore and the value is that reported by the operator.

Gypsum - Production is taken as the tonnage of crude gypsum shipped from quarries or mines in the lump, crushed, or fine ground forms. The value is that reported by the operators.

Nepheline Syenite - Production of crude and ground nepheline syenite is the amount of the various grades shipped at the total selling value, f.o.b. works.

Quartz - Production represents the tonnage of crude or pulverized quartz, quartzite and pure silica sand shipped for sale, by the producer. The value is taken as reported by producer.

Salt - Production is taken as the tonnage of various grades of dry salt shipped by primary producers, plus salt content of brine used by producers for industrial (chemical) purposes. The value is that reported by producers.

Talc - Production represents the tonnage of any crude talc shipped, plus any milled or refined talc shipped from mills operated in conjunction with the mines. The value is taken as reported by the mine and mill operators.

Sulphur, in smelter gas - Prior to final metal recovery sulphide concentrates are smelted or roasted and the resultant gases may be used to produce a marketable sulphur dioxide or sulphuric acid. Production is considered as the sulphur content of sulphuric acid made and sulphur dioxide marketed. This sulphur is valued at the average price for sulphur in pyrite concentrates.

Sulphur elemental shipments and values are reported by four major oil refineries in Ontario.

Natural Gas - Production is taken as all new production less flared field production as measured at the first well head metering point. It also includes gas reproduced from fields less injected gas. Natural gas produced by gas processing plants are valued after deducting quantity returned to formation. In addition, for purposes of valuation, processing shrinkage is deducted from natural gas volume.

Crude oil - Production is taken as all production less that portion returned to formation, valued at well head prices. Production derived from crude bitumen (synthetic crude) is valued at the processing plant gate.

Structural Materials - Canadian mining statistics include the production of structural materials, such as cement, lime, stone, sand and gravel and bricks made from clay. There is very little production in Canada of clay for sale to brick works, or stone to cement works, and since the raw material has no value until turned into a saleable product, it has been the practice, since mineral production statistics have been compiled in Canada, to count the production of structural materials as part of the mineral production of the country.

Cement (Portland,masonry and cement clinker) - Production represents quantities shipped. Value is as reported by the producer.

Clay products - Production represents shipments of brick and other clay products made from domestic clays.

Lime - Production represents the tonnage of hydrated and quicklime shipped (sold by the producer) together with the tonnage of these limes produced and consumed by the producers of chemicals and allied products. The values taken are as reported by the producer. 1980 and 1981 production includes lime produced for captive use.

Sand and Gravel - Production represents shipments at the values reported by operators of sand and gravel pits or dredges.

In 1979 and 1980 the coverage of the Census of Sand and Gravel operation was increased to include hundreds of small operations.

Stone - Production represents quarry shipments of crude or undressed stone, crushed stone, and dressed stone, if the latter is prepared by the quarry operators at values as reported by the operators. The figures include data for both private and public or municipally-owned properties and special questionnaires are sometimes prepared for the collection of statistics from municipalities. Production figures do not include dressed stone prepared from imported stone or prepared from domestic stone in works not at the quarries.

SIC NO.	STANDARD INDUSTRIAL CLASSIFICATION	MINERAL COMMODITY GROUP
510	PLACER GOLD MINES	METALLIC MINERAL
520	GOLD QUARTZ MINES	METALLIC MINERAL
570	URANIUM MINES	METALLIC MINERAL
580	IRON MINES	METALLIC MINERAL
591	COPPER-GOLD-SILVER M	METALLIC MINERAL
592	NICKEL-COPPER MINES	METALLIC MINERAL
593	SILVER-COBALT MINES	METALLIC MINERAL
594	SILVER-LEAD-ZINC M	METALLIC MINERAL
595	MOLYBDENUM MINES	METALLIC MINERAL
599	MISC. METAL MINES	METALLIC MINERAL
640	PETROLEUM & NAT. GAS	FUELS
710	ASBESTOS MINES	NON-METALLIC MINERAL
720	PEAT BOG	NON-METALLIC MINERAL
730	GYPSUM MINES	NON-METALLIC MINERAL
791	TALC & SOAPSTONE M	NON-METALLIC MINERAL
792	FELDSPAR & QUARTZ M	NON-METALLIC MINERAL
793	SALT MINES	NON-METALLIC MINERAL
794	POTASH MINES	NON-METALLIC MINERAL
799	MISC. NON-METAL M	NON-METALLIC MINERAL
830	STONE QUARRIES	STRUCTURAL MATERIAL
831	GRANITE QUARRIES	STRUCTURAL MATERIAL
832	LIMESTONE QUARRIES	STRUCTURAL MATERIAL
833	MARBLE QUARRIES	STRUCTURAL MATERIAL
834	SANDSTONE QUARRIES	STRUCTURAL MATERIAL
835	SHALE QUARRIES	STRUCTURAL MATERIAL
836	SLATE QUARRIES	STRUCTURAL MATERIAL
837	MARL QUARRIES	STRUCTURAL MATERIAL
870	SAND AND GRAVEL PITS	STRUCTURAL MATERIAL
2910	IRON & STEEL MILLS	METALLIC MINERAL
2950	SMELTING & REFINING	METALLIC MINERAL
3510	CLAY PRODUCTS MANUF.	STRUCTURAL MATERIAL
3520	CEMENT MANUFACTURERS	STRUCTURAL MATERIAL
3580	LIME MANUFACTURERS	STRUCTURAL MATERIAL

Addresses of the Major Companies of The Mineral Industry of Ontario

Note: the smaller Sand and Gravel and Stone companies are not listed here because they number in the thousands but a complete list is available on request. Many tables and graphs in this report do include data from the smaller Sand and Gravel and Stone companies, for example, Reports 2, 9, 10, and 11.

This list of addresses does not necessarily identify the Location of the mineral production. Each address is that of the office from which we obtain information. Location in this report goes to the County level. Other reports which identify mineral production to the Township level are available on special request.

The third number in the first line of each address refers to the Standard Industrial Classification (SIC) in which that particular company is included. For example, in the first address Campbell Red Lake Ltd. is a Gold Quartz Mine (SIC 520).

The addresses are grouped by SIC and within that SIC are listed in alphabetical order.

```
                                                                                                   PAGE      1

        1       0         520        0            2       0         520        0            3       0         520        0
CAMPBELL RED LAKE MINES LTD           # 0  DICKENSON MINES LTD                   # 0  DOME MINES LTD                        # 0
                                                                                      ATTN J W REID ACCT
(MINING)
PO                                         PO                                         PO
BALMERTOWN                                 BALMERTOWN                                 SOUTH PORCUPINE
ONTARIO                           P0V 1C0  ONTARIO                           P0V 1C0  ONTARIO                           P0N 1H0
-----------------------------------------  -----------------------------------------  -----------------------------------------
        4       0         520        0            5       0         520        0            6       0         520        0
GOLDLUND MINES LTD.                   # 0  KERR ADDISON MINES LIMITED            # 0  KERR ADDISON MINES LIMITED            # 0
ATTN. MINE MANAGER                         MANAGER                                    C/O MR A H CROSS
                                           (VIRGINIATOWN MINE)                        (TORONTO HEAD OFFICE)
1060 NORTH RIVERDALE RD.                   PO                                         BOX 91 COMMERCE COURT WEST
THUNDER BAY                                VIRGINIATOWN                               TORONTO
ONTARIO                           P7C 4V2  ONTARIO                           P0K 1X0  ONTARIO                           M5L 1C7
-----------------------------------------  -----------------------------------------  -----------------------------------------
        7       0         520        0            8       0         520        0            9       0         520        0
MINING CORP. OF CANADA LTD            # 0  NOBLE HERMISTON LTD                   # 0  PAMOUR PORCUPINE MINES LTD            # 0

JOBURKE MINE
P.O. BOX 2007                              BOX 102                                    BOX 45 COMMERCE COURT WEST
SOUTH PORCUPINE                            NORTH COBALT                               TORONTO
ONTARIO                           P0N 1H0  ONTARIO                           P0J 1R0  ONTARIO                           M5L 1B6
-----------------------------------------  -----------------------------------------  -----------------------------------------
       10       0         520        0           11       0         520        0           12       0         520        0
PANCONTINENTAL MINING (CAN) LTD.      # 0  RENABIE MINES (1981) LTD.             # 0  TECK CORPORATION LIMITED              # 0
ATTN. MR. PETER DYAS                       ATTN. OFFICE MANAGER                       (LEITCH DIVISION)
(PAN EMPIRE MINE)
P.O. BOX 300                                                                          P.O. BOX 115
BEARDMORE                                  MISSANABIE                                 BEARDMORE
ONTARIO                           P0T 1G0  ONTARIO                           P0M 2H0  ONTARIO                           P0T 1G0
-----------------------------------------  -----------------------------------------  -----------------------------------------
       13       0         520        0           14       0         520        0           15       0         570        0
WILANOUR RESOURCES LTD.               # 0  WILLROY MINES LIMITED                 # 0  AGNEW LAKE MINES LIMITED              # 0
                                                                                      ATTN CHIEF ACCOUNTANT
(WILMAR & BUFFALO PROP.)                   (MACASSA DIVISION)
P.O. BOX 45                                BOX 550                                    PO BOX 1970
TORONTO                                    KIRKLAND LAKE                              ESPANOLA
ONTARIO                           M5J 2J1  ONTARIO                           P2N 3J7  ONTARIO                           P0P 1C0
-----------------------------------------  -----------------------------------------  -----------------------------------------
       16       0         570        0           17       0         570        0           18       0         570        0
DENISON MINES LTD                     # 0  ELDORADO NUCLEAR LTD                  # 0  MADAWASKA MINES LTD                   # 0
ATTN CORPORATE MANAGER                     ATTN CORP GENERAL ACCT
(URANIUM MINE)                             (HEAD OFFICES MARKETING RES & DEV)         (FARADAY MINE)
PO BOX 40 ROYAL BANK PLAZA                 255 ALBERT ST                              PO
TORONTO                                    OTTAWA                                     BANCROFT
ONTARIO                           M5J 2K2  ONTARIO                           K1P 6A9  ONTARIO                           K0L 1C0
-----------------------------------------  -----------------------------------------  -----------------------------------------
       19       0         570        0           20       0         570        0           21       0         580        0
RIO ALGOM LTD                         # 0  RIO ALGOM LTD                         # 0  ALGOMA STEEL CORPORATION LIMITED      # 0
                                                                                      ATTN MR E A DIAK
(HEAD OFFICE TORONTO)                      (ELLIOT LAKE PRODUCING MINES)              (ALGOMA ORE DIVISION)
120 ADELAIDE ST WEST                       120 ADELAIDE ST W                          PO
TORONTO                                    TORONTO                                    WAWA
ONTARIO                           M5H 1T1  ONTARIO                           M5H 1T1  ONTARIO                           P0S 1K0
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    22        0        580       0              23        0        580       0              24        0        580       0
CLIFFS OF CANADA LTD                  # 0   CLIFFS OF CANADA LTD                  # 0   THE GRIFFITH MINE                     # 0

(SHERMAN MINE)                              (THE ADAMS MINE)
PO BOX 217                                  BOX 877                                     PO
TEMAGAMI                                    KIRKLAND LAKE                               RED LAKE
ONTARIO                            P0H 2H0  ONTARIO                            P2N 3K7  ONTARIO                            P0V 2H0
------------------------------------------  ------------------------------------------  ------------------------------------------
    25        0        591       0              26        0        591       0              27        0        591       0
HUDSON BAY MINING AND SMELTING        # 0   KIDD CREEK MINES LTD.                 # 0   KIDD CREEK MINES LTD                  # 0
CO LIMITED                                  ATTN ACCTG MGR                              ATTN ACCOUNTING MANAGER
(TORONTO HEAD OFFICE)                       (HEAD OFFICE TORONTO)                       (MINE)
PO BOX 28 TORONTO DOMINION CENTRE           PO BOX 175 COMMERCE COURT WEST              PO BOX 175 COMMERCE COURT WEST
TORONTO                                     TORONTO                                     TORONTO
ONTARIO                            M5K 1B8  ONTARIO                            M5L 1E7  ONTARIO                            M5L 1E7
------------------------------------------  ------------------------------------------  ------------------------------------------
    28        0        591       0              29        0        591       0              30        0        591       0
MATTABI MINES LIMITED                 # 0   NORANDA MINES LIMITED                 # 0   NORANDA MINES LIMITED                 # 0

                                            (LYON LAKE DIVISION)                        "F" GROUP DIVISION
PO BOX 190                                  P.O. BOX 190                                P.O. BOX 190
IGNACE                                      IGNACE                                      IGNACE
ONTARIO                            P0T 1T0  ONTARIO                            P0T 1T0  ONTARIO                            P0T 1T0
------------------------------------------  ------------------------------------------  ------------------------------------------
    31        0        591       0              32        0        591       0              33        0        591       0
NORANDA MINES LTD                     # 0   NORANDA MINES LTD                     # 0   SELCO INC.                            # 0
ATTN MR RC ASHENHURST (SECT)                ATTN PETER A. MCKEON
(TORONTO HEAD OFFICE)                       (GECO DIV)                                  (SOUTH BAY DIV.)
PO BOX 45 COMMERCE COURT WEST               PO BOX 100                                  SUITE 1700, 55 UNIVERSITY AVE.
TORONTO                                     MANITOUWADGE                                TORONTO
ONTARIO                            M5L 1B6  ONTARIO                            P0T 2C0  ONTARIO                            M5J 2H7
------------------------------------------  ------------------------------------------  ------------------------------------------
    34        0        591       0              35        0        592       0              36        0        592       0
UNION MINIERE EXPLORATIONS AND        # 0   FALCONBRIDGE LTD.                     # 0   FALCONBRIDGE SALES (CANADA) LTD       # 0
MINING CORP'N LTD                           ATTN G T BALLANTYNE                         ATTN CONTROLLER
(THIERRY OPERATIONS)                        (ONTARIO MINES)                             (TORONTO OFFICE)
1935 LESLIE ST                              PO BOX 40 COMMERCE COURT WEST               PO BOX 40 COMMERCE COURT WEST
DON MILLS                                   TORONTO                                     TORONTO
ONTARIO                            M3B 2M3  ONTARIO                            M5L 1B4  ONTARIO                            M5L 1B4
------------------------------------------  ------------------------------------------  ------------------------------------------
    37        0        592       0              38        0        592       0              39        0        592       0
FALCONBRIDGE LTD.                     # 0   INCO LIMITED                          # 0   INCO LIMITED                          # 0
                                            ATTN ANKA PREOCANIN ACCTG                   ATTN ASSISTANT COMPTROLLER
(TORONTO HEAD OFFICE)                       (TORONTO HEAD OFFICE)                       (ONTARIO PRODUCING MINES)
PO BOX 40 COMMERCE COURT WEST               BOX 44-1ST CANADIAN PLACE                   BOX 44-1ST CANADIAN PLACE
TORONTO                                     TORONTO                                     TORONTO
ONTARIO                            M5L 1B4  ONTARIO                            M5X 1C4  ONTARIO                            M5X 1C4
------------------------------------------  ------------------------------------------  ------------------------------------------
    40        0        593       0              41        0        593       0              42        0        593       0
AGNICO-EAGLE MINES LIMITED            # 0   CANADAKA MINES LTD                    # 0   PANCONTINENTAL MINING (CAN.)LTD.      # 0

(SILVER DIVISION)                                                                       PANSILVER PARTNERSHIP
BOX 140                                     2161 YONGE STREET, SUITE 301                P.O. BOX 740
COBALT                                      TORONTO                                     COBALT
ONTARIO                            P0J 1C0  ONTARIO                            M4S 3A6  ONTARIO                            P0J 1C0
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      43        0       593        0              44        0       720        0              45        0       720        0
TECK CORPORATION LTD                 # 0   ARCTIC PEAT MOSS LTD                 # 0   ATKINS & DURBROW LTD                 # 0

(SILVERFIELDS DIV)                                                                (WAINFLEET TWP)
PO                                         71 QUEEN ST                            402-1755 WEST BROADWAY
COBALT                                     BARWICK                                VANCOUVER
ONTARIO                            P0J 1C0 ONTARIO                        P0W 1A0 BRITISH COLUMBIA                   V6J 4S5
------------------------------------------ -------------------------------------- ------------------------------------------
      46        0       720        0              47        0       730        0              48        0       730        0
DIAMOND PEAT MOSS LIMITED            # 0   CANADIAN GYPSUM COMPANY LIMITED      # 0   DOMTAR INC                           # 0
                                                                                  (CONSTR MATERIAL GROUP)
                                           (HAGERSVILLE ONT MINE)                 (CALEDONIA-MINE REPORT ONLY)
P.O.BOX 40                                 BOX 4034 TERMINAL A                    395 DE MAISONNEUVE BLVD W
NEWINGTON                                  TORONTO                                MONTREAL
ONTARIO                            K0C 1Y0 ONTARIO                        M5W 1K8 QUEBEC                             H3A 1L6
------------------------------------------ -------------------------------------- ------------------------------------------
      49        0       730        0              50        0       791        0              51        0       791        0
WESTROC INDUSTRIES LIMITED           # 0   CANADA TALC INDUSTRIES LTD           # 0   STEETLEY TALC LIMITED                # 0
ATTN CONTROLLER
(DRUMBO MINE-ONT)
2650 LAKESHORE ROAD                        P O                                    BOX 2029 STATION A
MISSISSAUGA                                MADOC                                  HAMILTON
ONTARIO                            L5J 1K4 ONTARIO                        K0K 2K0 ONTARIO                            L8N 3R5
------------------------------------------ -------------------------------------- ------------------------------------------
      52        0       792        0              53        0       792        0              54        0       792        0
BOLENDERS LTD                        # 0   CARMAN CONST LTD                     # 0   INDUSMIN LIMITED                     # 0
                                           ATTN MRS G NEGUSANTI                   ATTN CHIEF ACCOUNTANT
                                                                                  (NEPHELINE SYENITE DIVISION)
PO BOX 329                                 RR #1                                  365 BLOOR ST E SUITE 200
HALIBURTON                                 COPPER CLIFF                           TORONTO
ONTARIO                            K0M 1S0 ONTARIO                        P0M 1N0 ONTARIO                            M4W 3L4
------------------------------------------ -------------------------------------- ------------------------------------------
      55        0       792        0              56        0       792        0              57        0       792        0
INDUSMIN LIMITED                     # 0   INTERNATIONAL MINERALS & CHEMICAL    # 0   THUNDERBRICK LTD                     # 0
                                           CORP W OF (CANADA) LTD
(ONTARIO SILICA DIVISION)                  (BLUE MOUNTAIN MINE)
365 BLOOR ST E SUITE 200                   BOX 280                                R.R. 5, ROSSLYN VILLAGE
TORONTO                                    HAVELOCK                               THUNDER BAY
ONTARIO                            M4W 3L4 ONTARIO                        K0L 1Z0 ONTARIO                            P7C 5M9
------------------------------------------ -------------------------------------- ------------------------------------------
      58        0       793        0              59        0       793        0              60        0       793        0
ALLIED CHEMICAL CANADA LTD           # 0   THE CANADIAN SALT CO. LTD            # 0   THE CANADIAN SALT CO LTD             # 0
ATTN WT LYONS                              C/O THE CANADIAN SALT CO LTD
(AMHERSTBURG PLANT)                        (OJIBWAY MINE)                         (SALT MINE - WINDSOR)
201 CITY CENTRE DRIVE                      600 CANADA CEMENT BLDG                 600 CANADA CEMENT BLDG
MISSISSAUGA                                MONTREAL                               MONTREAL
ONTARIO                            L5B 2T4 QUEBEC                         H3C 1T1 QUEBEC                             H3C 1T1
------------------------------------------ -------------------------------------- ------------------------------------------
      61        0       793        0              62        0       793        0              63        0       793        0
DOMTAR INC                           # 0   DOMTAR INC                           # 0   DOW CHEMICAL CANADA INC.             # 0
(CHEMICAL GROUP)                           (CHEMICAL GROUP)
(ROCK SALT MINE-GODERICH)                  (BRINE WELL PLANT-GODERICH)            (SARNIA BRINE WELLS)
1136 MATHESON BLVD.                        1136 MATHESON BLVD.                    BOX 3030
MISSISSAUGA                                MISSISSAUGA                            SARNIA
ONTARIO                            L4W 2V4 ONTARIO                        L4W 2V4 ONTARIO                            N7T 7M1
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64 0 799 0
EXTENDER MINERALS OF CANADA LTD # 0
R A HILL
106 PRINCESS MARGARET BLVD
ISLINGTON
ONTARIO M9B 2Z3

65 0 799 0
HEDMAN MINES LTD # 0
BOX 590
TIMMINS
ONTARIO P4N 7E7

66 0 799 0
PRECIOUS PURPLE GEMSTONES LTD. # 0
400 VICTORIA AVE.
THUNDER BAY
ONTARIO P7C 1A5

67 0 799 0
THUNDER BAY AMETHYST MINING CO LTD # 0
178 MARGARET ST
THUNDER BAY STATION P
ONTARIO P7C 4V9

68 0 831 0
3 M CANADA INC # 0
(HAVELOCK)
BOX 160
HAVELOCK
ONTARIO K0L 1Z0

69 0 831 0
CANADIAN PACIFIC LIMITED # 0
D DANYLUK REG ENG
(ONTARIO OPERATIONS)
C P STATION
WINNIPEG
MANITOBA R3C 2E9

70 0 831 0
CANADIAN NATIONAL RAILWAY # 0
REGIONAL ENGINEER (GRANITE)
(ONT OPERATIONS PRAIRIE REGION)
CN STATION 1
WINNIPEG
MANITOBA R3C 2E9

71 0 831 0
MILL LAKE STONE QUARRY # 0
MR W J HALL
MILL LAKE ROAD
PARRY SOUND
ONTARIO P2A 2X9

72 0 831 0
NORANDA MINES LTD # 0
ATTN MINE ACCT
(GECO DIV)
PO BOX 100
MANITOUWADGE
ONTARIO P0T 2C0

73 0 832 0
ALLIED CHEMICAL CANADA LTD # 0
ATTN W LYONS
(AMHERSTBURG ONT PLANT)
201 CITY CENTRE DR
MISSISSAUGA
ONTARIO L5B 2T4

74 0 832 0
AMHERST QUARRIES (1969) LTD # 0
BOX 26
AMHERSTBURG
ONTARIO N9V 2Z2

75 0 832 0
ARMBRO MATERIALS & CONSTRUCTION LTD# 0
(MARMORA & LAKE DIVISION)
BOX 1000
BRAMPTON
ONTARIO L6V 2L9

76 0 832 0
ARMBRO MATERIALS & CONSTRUCTION LTD# 0
(OTTAWA & VINEMOUNT LIMESTONE)
BOX 1000
BRAMPTON
ONTARIO L6V 2L9

77 0 832 0
BEACHVILIME LIMITED # 0
(LIME QUARRY)
BOX 190
INGERSOLL
ONTARIO N5C 3K5

78 0 832 0
BERTRAND & FRERE CONSTRUCTION # 0
CO LTD
(CALCAIRES)
PO
L ORIGNAL
ONTARIO K0B 1K0

79 0 832 0
BOLENDERS LTD # 0
PO BOX 329
HALIBURTON
ONTARIO K0M 1S0

80 0 832 0
CANADA CEMENT LAFARGE LTD # 0
(LIMESTONE WOODSTOCK)
240 DUNCAN MILL RD
DON MILLS
ONTARIO M3B 1Z4

81 0 832 0
CANFARGE LTD/LTEE # 0
(FRANCON DIV - QUARRIES ONTARIO)
P.O.BOX 8464
OTTAWA
ONTARIO K1G 3K2

82 0 832 0
CANFARGE LTD/LTEE # 0
(PERMANENT CONCRETE DIV)
PO BOX 190
BROCKVILLE
ONTARIO K6V 5V2

83 0 832 0
CAYUGA MATERIALS & CONSTRUCTION # 0
CO LTD
(CAYUGA QUARRIES)
RR 4
CAYUGA
ONTARIO N0A 1E0

84 0 832 0
CORNWALL GRAVEL CO LTD # 0
(CORNWALL LIMESTONE)
390-11TH STREET WEST
CORNWALL
ONTARIO K6J 3B2

85 0 832 0
DIBBLEE CONSTRUCTION CO LTD # 0
(LIMESTONE)
PO BOX 4503 STN E
OTTAWA
ONTARIO K1S 5A8

86 0 832 0
DOMTAR CHEMICALS GROUP INC # 0
ATTN PLANT MANAGER
(BEACHVILLE QUARRIES ACTIVITY)
BOX 100
BEACHVILLE
ONTARIO N0J 1A0

87 0 832 0
DUFFERIN AGGREGATES # 0
(MILTON DIV)
3625 DUFFERIN STREET
DOWNSVIEW
ONTARIO M3K 1Z2

88 0 832 0
DUNNVILLE ROCK PRODUCTS LTD # 0
211 GEORGE ST
DUNNVILLE
ONTARIO N1A 2T5

89 0 832 0
GENSTAR STONE PRODUCTS INC. # 0
PO BOX 550
OAKVILLE
ONTARIO L6J 5B7

90 0 832 0
INDUSMIN LIMITED # 0
(MILTON)
365 BLOOR ST E SUITE 200
TORONTO
ONTARIO M4W 3L4

91 0 832 0
INDUSMIN LIMITED # 0
(HALTON HILLS-ACTON)
365 BLOOR ST E SUITE 200
TORONTO
ONTARIO M4W 3L4

92 0 832 0
R E LAW CRUSHED STONE # 0
PO BOX 235
PORT COLBORNE
ONTARIO L3K 5V8

93 0 832 0
MC KEAN QUARRIES LIMITED # 0
23 LOCKHART ROAD
COLLINGWOOD
ONTARIO L9Y 2L4

94 0 832 0
PORT COLBORNE QUARRIES LTD # 0
PO BOX 275
PORT COLBORNE
ONTARIO L3K 5W1

95 0 832 0
RIDGEMOUNT QUARRIES LTD # 0
PO BOX 100
THOROLD
ONTARIO L2V 3Y8

96 0 832 0
STANDARD INDUSTRIES LTD # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(POINT-ANNE QUARRY CO)
RODICK RD BOX 210
MARKHAM
ONTARIO L0H 1B0

97 0 832 0
STANDARD INDUSTRIES LTD # 0
(HALDIMAND QUARRIES & CONST DIV)
PO BOX 210 RODICK ROAD
MARKHAM
ONTARIO L3P 3J7

98 0 832 0
STANDARD INDUSTRIES LTD # 0
(BRECHIN CRUSHED STONE CO)
RODICK RD BOX 210
MARKHAM
ONTARIO L0H 1B0

99 0 832 0
THE STEEL CO OF CANADA LTD # 0
STATISTICAL SERVICES
(CHEMICAL LIME WORKS)
STELCO TWR 100 KING ST W
HAMILTON
ONTARIO L8N 3T1

100 0 832 0
STEETLEY INDUSTRIES LTD # 0
QUEENSTON QUARRIES DIVISION
(NIAGARA FALLS)
BOX 2029 STATION A
HAMILTON
ONTARIO L8N 3R5

101 0 832 0
STEETLEY INDUSTRIES LTD # 0
(CANADA CRUSHED STONE DIV-DUNDAS)
BOX 2029 STATION A
HAMILTON
ONTARIO L8N 3R5

102 0 832 0
ST LAWRENCE CEMENT CO # 0
(COLBORNE)
2391 LAKESHORE RD W
MISSISSAUGA
ONTARIO L5J 1K1

103 0 832 0
ST MARYS CEMENT COMPANY # 0
(BOWMANVILLE)
PO BOX 68
BOWMANVILLE
ONTARIO L1C 3K8

104 0 832 0
ST MARYS CEMENT LIMITED # 0
(ST MARYS)
PO BOX 1000
ST MARYS
ONTARIO N0M 2V0

105 0 832 0
VINELAND QUARRIES & CRUSHED STONE LTD # 0
BOX 100
THOROLD
ONTARIO L2R 6S1

1

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     106        0        832       0
MALKER BROS QUARRIES                # 0

BOX 100
THOROLD
ONTARIO                      L2R 6S1
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     107        0        832       0
MILLROY MINES LIMITED               # 0
(MILTON QUARRIES DIV)
BOX 7
MILTON
ONTARIO                      L9T 2Y3
------------------------------------

     108        0        870       0
ARMBRO MATERIALS & CONSTRUCTION LTD# 0
AGG.DIV.(BOVAIRD & CALEDON)

BOX 1000
BRAMPTON
ONTARIO                      L6V 2L9
------------------------------------

     109        0        870       0
K J BEAMISH CONSTRUCTION CO LTD     # 0

7901 BAYVIEH AVE
THORNHILL
ONTARIO                      L3T 4P1
------------------------------------

     110        0        870       0
BELL CRUSHED STONE & GRAVEL LTD     # 0

BOX 278 - 21FRONT ST
POHASSAN
ONTARIO                      POH 1Z0
------------------------------------

     111        0        870       0
BURNSIDE SAND & GRAVEL LTD          # 0

RR 7 MOODIE DR
OTTAMA
ONTARIO                      K2H 7V2
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     112        0        870       0
CALEDON SAND & GRAVEL LTD           # 0

508 LAHRENCE AVE.
TORONTO
ONTARIO                      M6A 1A1
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     113        0        870       0
CANADIAN NATIONAL RAILMAY           # 0
REGIONAL ENGINEER
(ONT OPERATION GREAT LAKES REGION)
UNION STATION
TORONTO
ONTARIO                      M5H 1A1
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     114        0        870       0
COMMERCIAL SAND & GRAVEL LTD        # 0

RR 1
UNIONVILLE
ONTARIO                      LOH 1H0
------------------------------------

     115        0        870       0
COX CONSTRUCTION LTD                # 0

BOX 427-687 ERAMOSA ROAD
GUELPH
ONTARIO                      N1K 6K5
------------------------------------

     116        0        870       0
DONEGAN S HAULAGE LTD               # 0
(INCL READY-MIX)

PO BOX 99
LISTOHEL
ONTARIO                      N4H 3H2
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     117        0        870       0
J C DUFF LTD                        # 0

GEN DEL
LIMEHOUSE
ONTARIO                      LOP 1H0
------------------------------------

     118        0        870       0
ETHIER SAND & GRAVEL LTD            # 0

2589 IDA ST
SUDBURY
ONTARIO                      P3E 4N2
------------------------------------

     119        0        870       0
FORHELL LTD                         # 0

BOX 1146
KITCHENER
ONTARIO                      N2G 4G1
------------------------------------

     120        0        870       0
FRANCESCHINI BROS AGGREGATES LTD    # 0

2531 CAHTHRA RD.
MISSISSAUGA
ONTARIO                      L5A 2H7
------------------------------------

     121        0        870       0
GENSTAR STONE PRODUCTS INC.         # 0

166 SOUTH SERVICE RD PO BOX 550
OAKVILLE
ONTARIO                      L6J 5B7
------------------------------------

     122        0        870       0
GIORDANO SAND & GRAVEL LIMITED      # 0

PO BOX 100
CLAREMONT
ONTARIO                      H3K 1G2
------------------------------------

     123        0        870       0
GORMLEY SAND & GRAVEL LTD           # 0

BOX 39
GORMLEY
ONTARIO                      LOH 1G0
------------------------------------

     124        0        870       0
GREAT LAKES FOREST PRODUCTS LTD     # 0

PO BOX 430
THUNDER BAY F
ONTARIO                      P7C 4H3
------------------------------------

     125        0        870       0
HANCOCK SAND & GRAVEL LTD           # 0

BOX 178
SUNDERLAND
ONTARIO                      LOC 1H0
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     126        0        870       0
HARNDEN & KING CONSTRUCTION LTD     # 0

PO BOX 519
COBOURG
ONTARIO                      K9A 4L3
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     127        0         870       0          128        0         870       0          129        0         870       0
HIGHLAND CREEK SAND & GRAVEL LTD  #  0    E S HOFFER & SONS LTD             #  0    HOFFMAN CONCRETE 1982 INC.        #  0
                                                                                    1150 MORRISON DR.
                                                                                    (SAND & GRAVEL)
BOX 130                                   22 CHURCH ST
WEST HILL                                 ELMIRA                                    OTTAWA
ONTARIO                        M1E 4R4    ONTARIO                        N0B 1R0    ONTARIO                        K2H 8S9
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     130        0         870       0          131        0         870       0          132        0         870       0
JAMES DICK CONST LTD              #  0    JOHNSTON BROS (BOTHWELL) LTD      #  0    W KUINDERSMA & J ESSER LTD        #  0

BOX 470                                   BOX 220                                   MICHIGAN AVE PO BOX 115
BOLTON                                    BOTHWELL                                  SARNIA
ONTARIO                        L0P 1A0    ONTARIO                        N0P 1C0    ONTARIO                        N7T 7H8
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     133        0         870       0          134        0         870       0          135        0         870       0
M J LABELLE CO LTD                #  0    LEE SAND & GRAVEL LTD             #  0    LEMPIALA SAND & GRAVEL LTD        #  0

(SAND PITS)
PO BOX 610 - 17 FIRST STREET              8 GOLFDOWN DRIVE                          364 FITZGERALD ST
COCHRANE                                  REXDALE                                   THUNDER BAY
ONTARIO                        P0L 1C0    ONTARIO                        M9W 2H5    ONTARIO                        P7A 2P2
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     136        0         870       0          137        0         870       0          138        0         870       0
MILLER PAVING LTD                 #  0    JAMES MURRAY CONSTRUCTION LTD     #  0    MINISTRY OF NATURAL RESOURCES     #  0
                                                                                    ATTN DISTRICT MANAGER
                                                                                    (HEARST DISTRICT)
BOX 250                                   BOX 40                                    PO BOX 670
UNIONVILLE                                MOOREFIELD                                HEARST
ONTARIO                        L3R 2V3    ONTARIO                        N0G 2K0    ONTARIO                        P0L 1N0
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     139        0         870       0          140        0         870       0          141        0         870       0
MINISTRY OF NATURAL RESOURCES     #  0    OAK PARK SAND & GRAVEL            #  0    ONTARIO HYDRO                     #  0
ATTN DISTRICT MANAGER                     DIV OF KING PAVING & MATERIAL             J.E.HENSON
(KIRKLAND LAKE DISTRICT)                  (BRANTFORD DIV)                           GENERATION SERVICES DEPT
PO BOX 129                                P.O. BOX 308                              700 UNIVERSITY AVE
SWASTIKA                                  PARIS                                     TORONTO
ONTARIO                        P0K 1T0    ONTARIO                        N3L 3G2    ONTARIO                        M5G 1X6
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     142        0         870       0          143        0         870       0          144        0         870       0
ONTARIO-LAKE ERIE SAND LTD        #  0    PINEWOOD AGGREGATES LIMITED       #  0    PIT HAULAGE LTD                   #  0

BOX 153                                   403 MCDONNEL ST                           5011 HWY 7
ERIE                                      PETERBOROUGH                              UNIONVILLE
PENNSYLVANIA U S A             016 512    ONTARIO                        K9J 6Z6    ONTARIO                        L3R 1H1
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     145        0         870       0          146        0         870       0          147        0         870       0
PITTS ENGINEERING CONSTRUCTION    #  0    GASTON H POULIN CONTRACTORS LTD   #  0    PRESTON SAND & GRAVEL COMPANY     #  0
LIMITED                                                                             LIMITED
                                                                                    (CAMBRIDGE PLANT)
PO BOX 2428 STATION A                     BOX 2200                                  1771 EAGLE ST N
SUDBURY                                   HEARST                                    CAMBRIDGE-PRESTON
ONTARIO                        P3A 4S8    ONTARIO                        P0L 1N0    ONTARIO                        N1R 5S8
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    148        0        870      0
RAINBOW CONCRETE INDUSTRIES LTD      # 0

1122 FALCONBRIDGE RD
SUDBURY
ONTARIO                          P3A 4M8
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    149        0        870      0
E & E SEEGMILLER CO                  # 0

P.O.BOX 638- 669 CHARLES ST E
KITCHENER
ONTARIO                          N2G 4B7
----------------------------------------
    150        0        870      0
SEELEY & ARNILL                      # 0

P.O.BOX 130
DUNDALK
ONTARIO                          NOC 1B0
----------------------------------------
    151        0        870      0
SOUTH WINDS SAND & GRAVEL            # 0
LIMITED

764 WHARNCLIFFE RD S
LONDON
ONTARIO                          N6J 2N4
----------------------------------------
    152        0        870      0
SPRINGBANK SAND & GRAVEL LTD         # 0

7204 WALKERS LINE
MILTON
ONTARIO                          L9T 2X6
----------------------------------------
    153        0        870      0
STANDARD INDUSTRIES LTD.             # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(STOUFVILLE)
RIDICK RD
BUTTONVILLE
ONTARIO                          LOH 1B0
----------------------------------------
    154        0        870      0
STANDARD INDUSTRIES LTD              # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(WEST PARIS)
RODICK RD
BUTTONVILLE
ONTARIO                          LOH 1B0
----------------------------------------
    155        0        870      0
STANDARD INDUSTRIES LTD              # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(MONO)
RODICK RD
BUTTONVILLE
ONTARIO                          LOH 1B0
----------------------------------------
    156        0        870      0
STANDARD INDUSTRIES LTD              # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(PARIS EAST)
RODICK RD
BUTTONVILLE
ONTARIO                          LCH 1B0
----------------------------------------
    157        0        870      0
STANDARD INDUSTRIES LTD              # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(LOCUST HILL-PICKERING)
RODICK RD
BUTTONVILLE
ONTARIO                          LOH 1B0
----------------------------------------
    158        0        870      0
STANDARD INDUSTRIES LTD              # 0

(NORTH BAY)
180 SHERRIFF AVE
NORTH BAY
ONTARIO                          P1B 7K9
----------------------------------------
    159        0        870      0
STANDARD INDUSTRIES LTD              # 0
(CONSOLIDATED SAND & GRAVEL DIV)
(GUELPH)
RODICK RD
BUTTONVILLE
ONTARIO                          LOH 1B0
----------------------------------------
    160        0        870      0
ST DAVIDS SAND & GRAVEL LTD          # 0

BOX 100
THOROLD
ONTARIO                          L2R 6S1
----------------------------------------
    161        0        870      0
T C G MATERIALS LTD                  # 0

(PRESTON)
BOX 1390
BRANTFORD
ONTARIO                          N3T 5T6
----------------------------------------
    162        0        870      0
T C G MATERIALS LIMITED              # 0

PO BOX 189
LONDON
ONTARIO                          N6A 4V7
----------------------------------------
    163        0        870      0
T C G MATERIALS LTD                  # 0

(WEST BRANTFORD PIT)
BOX 1390
BRANTFORD
ONTARIO                          N3T 5T6
----------------------------------------
    164        0        870      0
TRT SAND & GRAVEL                    # 0

PO BOX 250
ORONO
ONTARIO                          LOB 1N0
----------------------------------------
    165        0        870      0
WARREN BITULITHIC LTD                # 0

72 ASHWARREN RD
DOWNSVIEW
ONTARIO                          M3J 1Z6
----------------------------------------
    166        0       2950      0
AGNICO-EAGLE MINES LTD.              # 0

(SILVER REFINERY)
P.O. BOX 140
COBALT
ONTARIO                          POJ 1C0
----------------------------------------
    167        0       2950      0
SULPETRO MINERALS LTD.               # 0

C.S.R. DIVISION
2161 YONGE ST.,SUITE 301
TORONTO
ONTARIO                          M4S 3A6
----------------------------------------
    168        0       2950      0
CHROMASCO LTD                        # 0
ATTENTION: MARY JANE REEVES
(HALEY ONTARIO REPORT)

HALEY
ONTARIO                          KOJ 1Y0
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1

169 0 2950 0
ELDORADO NUCLEAR LTD # 0

(PORT HOPE REFINERY)
PO
PORT HOPE
ONTARIO L1A 3A1

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170 0 2950 0
FALCONBRIDGE LTD. # 0
ATTN G T BALLANTYNE
(SUDBURY SMELTER)
BOX 40 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1B4

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171 0 2950 0
INCO LIMITED # 0
ATTN ASSISTANT COMPTROLLER
(COPPER REFINERY)
BOX 44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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172 0 2950 0
INCO LIMITED # 0
ATTN ASSISTANT COMPTROLLER
(IRON ORE RECOVERY PLANT)
BOX 44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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173 0 2950 0
INCO LIMITED # 0
ATTN ASSISTANT COMPTROLLER
(COPPER CLIFF NICKEL REFINERY)
BOX44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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174 0 2950 0
INCO LIMITED # 0
ATTN ASSISTANT COMPTROLLER
(COPPER CLIFF SMELTER & MATTE PROC)
BOX 44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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175 0 2950 0
INCO LIMITED # 0
ATTN ASSISTANT COMPTROLLER
(PORT COLBORNE NICKEL REFINERY)
BOX 44-1ST CANADIAN PLACE
TORONTO
ONTARIO M5X 1C4

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176 0 2950 0
KIDD CREEK MINES LTD. # 0

(ZINC PLANT)
PO BOX 175 SUITE 5000
COMMERCE COURT WEST TORONTO
ONTARIO M5L 1E7

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177 0 2950 0
KIDD CREEK MINES LTD. # 0

(COPPER REFINERY)
P.O. BOX 175 COMMERCE COURT WEST
TORONTO
ONTARIO M5L 1E7

METRIC CONVERSION FACTORS USED IN THIS REPORT

MINERAL COMMODITY	IMPERIAL UNIT			METRIC UNIT
ANTIMONY	POUNDS	=	.4535923711000	KILOGRAMS
ASBESTOS	SHORT TONS	=	.9071847423000	TONNES
BARITE	SHORT TONS	=	.9071847423000	TONNES
BERYLLIUM	POUNDS	=	.4535923711000	KILOGRAMS
BISMUTH	POUNDS	=	.4535923711000	KILOGRAMS
CADMIUM	POUNDS	=	.4535923711000	KILOGRAMS
CALCIUM	POUNDS	=	.4535923711000	KILOGRAMS
CEMENT	SHORT TONS	=	.9071847423000	TONNES
CHROMITE	SHORT TONS	=	.9071847423000	TONNES
CLAY PRODUCTS	UNITS?	=	.0000000000000	UNITS?
COAL	SHORT TONS	=	.9071847423000	TONNES
COBALT	POUNDS	=	.4535923711000	KILOGRAMS
COLUMBIUM(CB205)	POUNDS	=	.4535923711000	KILOGRAMS
COPPER	POUNDS	=	.4535923711000	KILOGRAMS
FLOURSPAR	SHORT TONS	=	.9071847423000	TONNES
GEMSTONES	SHORT TONS	=	.9071847423000	TONNES
GOLD	TROY OUNCES	=	31.1034767600000	GRAMS
GYPSUM	SHORT TONS	=	.9071847423000	TONNES
IRON ORE	SHORT TONS	=	.9071847423000	TONNES
LEAD	POUNDS	=	.4535923711000	KILOGRAMS
LIME	SHORT TONS	=	.9071847423000	TONNES
MAGNESIUM	POUNDS	=	.4535923711000	KILOGRAMS
MAGNESITIC DOLOMITE	SHORT TONS	=	.9071847423000	TONNES
MICA	POUNDS	=	.4535923711000	KILOGRAMS
MOLYBDENUM	POUNDS	=	.4535923711000	KILOGRAMS
NATURAL GAS	M CU FEET	=	28.31684994000	K CU METRE
NATURAL GAS BY-PROD.	CUBIC FEET	=	.0283168470400	CUBIC METRES
NEPHELINE SYENITE	SHORT TONS	=	.9071847423000	TONNES
NICKEL	POUNDS	=	.4535923711000	KILOGRAMS
PALLADIUM	TROY OUNCES	=	.0311034771100	KILOGRAMS
PEAT	SHORT TONS	=	.9071847423000	TONNES
PETROLEUM	BARRELS	=	.1589872948000	CU METRE
PLATINUM	TROY OUNCES	=	.0311034771100	KILOGRAMS
PLATINUM GROUP	TROY OUNCES	=	.0311034771100	KILOGRAMS
POTASH	SHORT TONS	=	.9071847423000	TONNES
PYRITE PYRRHOTITE	SHORT TONS	=	.9071847423000	TONNES
QUARTZ	SHORT TONS	=	.9071847423000	TONNES
SALT	SHORT TONS	=	.9071847423000	TONNES
SAND & GRAVEL	SHORT TONS	=	.9071847423000	TONNES
SELENIUM	POUNDS	=	.4535923711000	KILOGRAMS
SILVER	TROY OUNCES	=	.0311034771100	KILOGRAMS
SOAPSTONE,TALC	SHORT TONS	=	.9071847423000	TONNES
SODIUM SULPHATE	SHORT TONS	=	.9071847423000	TONNES
STONE	SHORT TONS	=	.9071847423000	TONNES
SULPHUR	SHORT TONS	=	.9071847423000	TONNES
TANTALUM(TA205)	POUNDS	=	.4535923711000	KILOGRAMS
TELLURIUM	POUNDS	=	.4535923711000	KILOGRAMS
THORIUM	POUNDS	=	.4535923711000	KILOGRAMS
TIN	POUNDS	=	.4535923711000	KILOGRAMS
TITANIUM DIOXIDE	SHORT TONS	=	.9071847423000	TONNES
TUNGSTEN(WO3)	POUNDS	=	.4535923711000	KILOGRAMS
URANIUM(U)	POUNDS	=	.4535923711000	KILOGRAMS
YTTRIUM(Y203)	POUNDS	=	.4535923711000	KILOGRAMS
ZINC	POUNDS	=	.4535923711000	KILOGRAMS

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      CONVERSION
YEAR  FACTOR                            USED TO CONVERT CURRENT DOLLARS
====  ==========                        TO 1971 DOLLARS

1924  36.000000
1925  36.000000
1926  36.500000
1927  36.100000
1928  35.900000
1929  36.400000
1930  35.400000
1931  33.300000
1932  30.100000
1933  29.600000
1934  30.000000
1935  30.100000
1936  31.100000
1937  32.000000
1938  31.900000
1939  31.700000
1940  33.100000
1941  35.700000
1942  37.300000
1943  38.600000
1944  39.900000
1945  40.800000
1946  42.000000
1947  45.700000
1948  51.300000
1949  53.600000
1950  54.800000
1951  61.100000
1952  63.700000
1953  63.600000
1954  64.600000
1955  65.000000
1956  67.400000
1957  68.800000
1958  69.800000
1959  71.200000
1960  72.100000
1961  72.500000
1962  73.500000
1963  74.800000
1964  76.700000
1965  79.100000
1966  82.700000
1967  85.900000
1968  88.700000
1969  92.700000
1970  96.800000
1971  100.00000   <-----------------
1972  104.90000
1973  113.70000
1974  129.40000
1975  146.50000
1976  160.40000
1977  171.70000
1978  182.70000
1979  200.70000
1980  222.70000
1981  246.30000
1982  280.00000
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EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE: TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
GOLD QUARTZ MINES SIC 0520	1966	7775	4590		3185	5422426	697	1181		1702
	1967	6778	3990		2788	4483680	661	1123		1608
	1968	5905	3488		2417	4209112	712	1206		1741
	1969	5390	3195		2195	3930749	729	1230		1790
	1970	4735	2846		1889	3420402	722	1201		1810
	1971	4173	2469		1704	3063277	734	1240		1797
	1972	3681	2200		1481	2738433	743	1244		1849
	1973	3613	2149		1464	2645599	732	1231		1807
	1974	3715	2108		1607	2637154	709	1251		1641
	1975	3871	2203		1668	2740701	708	1244		1643
	1976	3185	1836		1349	2596320	815	1414		1924
	1977	2803	1644		1159	2542391	907	1546		2193
	1978	2909	1715		1194	2617528	899	1526		2192
	1979	2917	1720		1197	2409553	826	1400		2012
	1980	3150	2148	455	547	2985080	947	1389	6560	5457
	1981	3438	2147	702	589	2905887	845	1353	4139	4933
URANIUM MINES SIC 0570	1966	1459	746		713	2056687	1409	2756		2884
	1967	1695	892		803	2274730	1342	2550		2832
	1968	1826	962		864	2300402	1259	2391		2662
	1969	1871	998		873	2359160	1260	2363		2702
	1970	1775	943		832	2377905	1339	2521		2858
	1971	1689	896		793	2677216	1585	2987		3376
	1972	1652	867		785	2725867	1650	3144		3472
	1973	1616	847		769	2585963	1600	3053		3362
	1974	1643	856		787	2482315	1510	2899		3154
	1975	1929	1024		905	2545532	1319	2485		2812
	1976	2390	1266		1124	2879103	1204	2274		2561
	1977	3326	1630		1696	3878125	1166	2379		2286
	1978	3869	1882		1987	4871014	1258	2588		2451
	1979	4658	2602		2056	5339502	1146	2052		2597
	1980	4848	2987	641	1220	5808368	1198	1944	9061	4760
	1981	5172	3126	590	1456	6225565	1203	1991	10551	4275

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

February 13, 1983

GW R1DAT

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	PRODUCTION PER EMPLOYEE MINE PIT,QUARRY	PRODUCTION PER EMPLOYEE MILL PLANT,KILN	PRODUCTION PER EMPLOYEE ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
IRON MINES	1966	3006	705		2301	10896330	3624	15455		4735
	1967	3185	539		2646	11998919	3767	22261		4534
SIC 0580	1968	3446	714		2732	18179639	5275	25461		6654
	1969	3315	877		2438	19498802	5881	22233		7997
	1970	3363	948		2415	20747484	6169	21885		8591
	1971	3392	921		2471	19485594	5744	21156		7885
	1972	3449	959		2490	22317986	6470	23272		8963
	1973	3660	1050		2610	23837109	6512	22702		9132
	1974	3704	1075		2629	23310888	6293	21684		8866
	1975	3834	1102		2732	21455497	5596	19469		7853
	1976	3869	1117		2752	23411267	6050	20959		8507
	1977	3772	1082		2690	22411355	5941	20712		8331
	1978	3597	1090		2507	24087596	6696	22098		9608
	1979	2952	885		2067	20281642	6870	22917		9812
	1980	2261	989	872	400	17259978	7633	17451	19793	43149
	1981	2168	886	861	421	16856999	7775	19025	19578	40040
COPPER-GOLD-SILVER M	1966	2279	1063		1216	4048746	1776	3808		3329
	1967	2757	1051		1706	6773788	2456	6445		3970
SIC 0591	1968	2629	1032		1597	7170084	2727	6947		4489
	1969	2704	1040		1664	7320965	2707	7039		4399
	1970	2699	765		1934	7031141	2605	9191		3635
	1971	2594	947		1647	7180831	2768	7582		4359
	1972	2656	985		1671	7423210	2794	7536		4442
	1973	2474	955		1519	7095816	2868	7430		4671
	1974	2491	813		1678	7493131	3008	9216		4465
	1975	2947	855		2092	7131335	2419	8340		3408
	1976	3224	1004		2220	7386389	2291	7356		3327
	1977	3148	1040		2108	7895421	2508	7591		3745
	1978	2963	942		2021	7293407	2461	7742		3608
	1979	3351	1127		2224	7986826	2383	7086		3591
	1980	3349	1926	576	847	7629319	2278	3961	13245	9007
	1981	3427	1872	749	806	6964324	2032	3720	9298	8640

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE			
							TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						ORE MILLED	MILLED PER EMPLOYEE			
NICKEL-COPPER MINES	1966	12042	9114		2928	16367385	1359	1795		5589
	1967	12295	9381		2914	19100928	1553	2036		6554
SIC 0592	1968	12936	9644		3292	23513370	1817	2438		7142
	1969	13012	9361		3651	17005212	1306	1816		4657
	1970	14719	9677		5042	24363198	1655	2517		4832
	1971	15606	9999		5607	25296364	1620	2529		4511
	1972	13624	8245		5379	18477331	1356	2241		3435
	1973	13040	8088		4952	19159284	1469	2368		3868
	1974	13667	8328		5339	20514560	1501	2463		3842
	1975	14949	8671		6278	18705749	1251	2157		2979
	1976	14534	8451		6083	18112640	1246	2143		2977
	1977	13872	8026		5846	17422181	1255	2170		2980
	1978	11855	6907		4948	9153593	772	1325		1849
	1979	11514	5946		5568	7839314	680	1318		1407
	1980	11704	8952	885	1867	13556824	1158	1514	15318	7261
	1981	11384	8559	856	1969	11944050	1049	1395	13953	6066
SILVER-COBALT MINES	1966	595	346		249	239319	402	691		961
	1967	565	343		222	243595	431	710		1097
SIC 0593	1968	581	311		270	228029	392	733		844
	1969	518	277		241	402014	776	1451		1668
	1970	433	258		175	206235	476	799		1178
	1971	274	159		115	145628	531	915		1266
	1972	228	121		107	126569	555	1046		1182
	1973	149	70		79	112104	752	1601		1419
	1974	197	99		98	108512	550	1096		1107
	1975	176	81		95	69618	395	859		732
	1976	178	74		104	107597	604	1454		1034
	1977	192	87		105	164714	857	1893		1568
	1978	181	84		97	188019	1038	2238		1938
	1979	201	96		105	156109	776	1626		1486
	1980	237	144	36	57	155027	654	1076	4306	2719
	1981	219	156	26	37	122195	557	783	4699	3302

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE			
							TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						MINED	MINED PER EMPLOYEE			
NON-METALLIC MINES	1966	594	300		294	3517450	5921	11724		11964
	1967	668	327		341	4123333	6172	12609		12091
SIC 0700	1968	838	389		449	5081854	6064	13063		11318
	1969	825	365		460	5323294	6452	14584		11572
	1970	976	431		545	6243398	6396	14485		11455
	1971	995	434		561	6274767	6306	14457		11184
	1972	958	397		561	6075029	6341	15302		10828
	1973	925	382		543	6022187	6510	15764		11090
	1974	1042	419		623	5568880	5344	13290		8938
	1975	1039	342		697	4675363	4499	13670		6707
	1976	1166	419		747	6464119	5543	15427		8653
	1977	975	417		558	5891416	6042	14128		10558
	1978	961	412		549	6426272	6687	15597		11705
	1979	998	434		564	6601323	6614	15210		11704
						PEAT HARVESTED	HARVESTED PER EMPLOYEE			
PEAT BOG	1979									
	1980	42	12	24	6	6236	148	519	259	1039
SIC 0720	1981	35	8	23	4	6648	189	831	289	1662
						MINED	MINED PER EMPLOYEE			
GYPSUM MINES	1979									
	1980	165	123	20	22	780527	4730	6345	39026	35478
SIC 0730	1981	161	120	20	21	685092	4255	5709	34254	32623

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

GW R1.DAT February 13, 1983

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						MINED		MINED	PER EMPLOYEE	
TALC & SOAPSTONE M	1979									
	1980	59	13	37	9	66160	1121	5089	1788	7351
SIC 0791	1981	59	11	35	13	80149	1358	7286	2289	6165
FELDSPAR & QUARTZ M	1979									
	1980	331	56	217	58	1234151	3728	22038	5687	21278
SIC 0792	1981	330	57	216	57	1307797	3963	22943	6054	22943
SALT MINES	1979									
	1980	486	411	8	67	4414451	9083	10740	551806	65887
SIC 0793	1981	494	419	8	67	3663061	7415	8742	457882	54672
MISC. NON-METAL M	1979									
	* 1980	19	4	8	7	7893	415	1973	986	1127
SIC 0799	* 1981	35	10	19	6	13914	397	1391	732	2319
						STONE QUARRIED		QUARRIED	PER EMPLOYEE	
STONE QUARRIES	1966	2928	2928			28408886	9702	9702		
	1967	2646	2646			28344978	10712	10712		
SIC 0830	1968	2011	2011			31137952	15483	15483		
	1969	2101	2101			30069036	14311	14311		
	1970	2099	2099			30626989	14591	14591		
	1971	2295	2295			31586127	13763	13763		
	1972	1892	1892			34470979	18219	18219		
	1973	1596	1596			39132918	24519	24519		
	1974	1650	1650			38727703	23471	23471		
	1975	1722	1722			34172039	19844	19844		
	1976	1898	1898			34986415	18433	18433		

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

GW R1.DAT * EXCLUDES ALL 4 BRINING WELLS February 13, 1983

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE			
							TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
						STONE QUARRIED	QUARRIED PER EMPLOYEE			
STONE QUARRIES	1977	1614	1614			35975549	22289	22289		
	1978	1500	1500			38139194	25426	25426		
SIC 0830	1979	1450	1450			39830992	27469	27469		
GRANITE QUARRIES	1979									
	1980									
SIC 0831	1981	120	12	72	36	250748	2089	20895	3482	6965
LIMESTONE QUARRIES	1979									
	1980	889	537	75	277	22434650	25235	41777	299128	80991
SIC 0832	1981	1049	599	134	316	24823124	23663	41440	185247	78554
MARBLE QUARRIES	1978									
	1979									
SIC 0833	1980									
SANDSTONE QUARRIES	1978									
	1979									
SIC 0834	1980									
SHALE QUARRIES	1978									
	1979									
SIC 0835	1980									

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	PRODUCTION PER EMPLOYEE TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. A OTHER
						SAND +GRAVEL EXTRACTED	EXTRACTED PER EMPLOYEE			
SAND AND GRAVEL PITS	1972	2017	2017			69290770	34353	34353		
	1973	1895	1895			73089730	38569	38569		
SIC 0870	1974	1822	1822			72560869	39824	39824		
	1975	2363	2363			69705434	29498	29498		
	1976	2626	2626			68802045	26200	26200		
	1977	1064	1064			75400390	70865	70865		
	1978	2198	2198			87845756	39966	39966		
	1979	2000	2000			90515630	45257	45257		
	1980	1090	444	14	632	22426950	20575	50511	1601925	35485
	1981	1159	529	22	608	28950723	24979	54727	1315941	47616

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE EMPLOYMENT STATS ARE ESTIMATES OF S&G & S INDUSTRIES AND ARE NOT RELIABLE 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT. THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE. OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

GW R1.DAT February 13, 1983

EMPLOYMENT AND EMPLOYEE PRODUCTIVITY IN ONTARIO

							PRODUCTION PER EMPLOYEE			
STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	MINE PIT,QUARRY EMPLOYMENT	MILL PLANT,KILN EMPLOYMENT	ADMIN. AND OTHER EMPLOYMENT	PRODUCTION IN METRIC TONS	TOTAL	MINE PIT,QUARRY	MILL PLANT,KILN	ADMIN. AND OTHER
GRAND TOTAL FOR ALL SIC'S										
	* 1966	30678	19792		10886	70957229				
	* 1967	30589	19169		11420	77343951				
	* 1968	30172	18551		11621	91820442				
	* 1969	29736	18214		11522	85909232				
	* 1970	30799	17967		12832	95016752				
	* 1971	31018	18120		12898	95709804				
	1972	30157	17683		12474	163646174				
	1973	28968	17032		11936	173680710				
	1974	29931	17170		12761	173404012				
	1975	32830	18363		14467	161201268				
	1976	33070	18691		14379	164745895				
	1977	30766	16604		14162	171581542				
	1978	30033	16730		13303	180622379				
	1979	30041	16260		13781	180960891				
	1980	28630	18746	3868	6016	98765614				
	1981	*** 29250	18511	4333	6406	104800276				

NOTE: FOR 1979 AND PREVIOUS YEARS THE ADMIN AND MILL EMPLOYMENT VALUES ARE COMBINED AND REPORTED IN ADMIN COLUMN.

* EXCLUDES ENTIRE SAND & GRAVEL INDUSTRY

GW R1.DAT *** 31450 INCLUDING 2200 ESTIMATE OF SMALL SAND&GRAVEL & STONE INDUSTRIES February 13, 1983

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1981

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	CEMENT	TONNE	540	91,507
	NATURAL GAS	CU.M	1,549,490	127,708
	SAND & GRAVEL	TONNE	1,084,815	2,745,761
				2,964,976
COUNTY OF BRUCE	SAND & GRAVEL	TONNE	2,081,504	3,045,963
	STONE	TONNE	9,680	324,070
				3,370,033
COUNTY OF DUFFERIN	SAND & GRAVEL	TONNE	977,652	1,429,090
				1,429,090
COUNTY OF ELGIN	CLAY IN OTHER PRODCT	N/A	0	2,625,316
	CLAY IN TILE	TILE	17,878	19,090
	NATURAL GAS	CU.M	57,922,300	4,773,954
	PETROLEUM	CU.M	27,999	3,457,595
	SAND & GRAVEL	TONNE	294,671	479,047
				11,355,002
COUNTY OF ESSEX	LIME	TONNE	318,227	17,076,061
	PETROLEUM	CU.M	3,361	415,047
	SALT	TONNE	2,764,473	50,069,149
	SAND & GRAVEL	TONNE	301,647	451,001
	STONE	TONNE	1,708,295	4,772,441
				72,783,699
COUNTY OF FRONTENAC	SAND & GRAVEL	TONNE	231,633	275,350
	STONE	TONNE	428,959	899,724
				1,175,074
COUNTY OF GREY	CLAY IN TILE	TILE	1,140,000	236,200
	SAND & GRAVEL	TONNE	1,503,366	2,530,190
	STONE	TONNE	152,169	614,100
				3,380,490
COUNTY OF HASTINGS	SAND & GRAVEL	TONNE	483,389	596,520
	STONE	TONNE	348,237	1,847,218
	TALC	TONNE	6,522	515,636

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS	TERRAZZO CHIPS	TONNE	1,947	110,691
	URANIUM	KG	244,733	24,502,298
				27,572,363
COUNTY OF HURON	NATURAL GAS	CU.M	3,368,600	277,640
	PETROLEUM	CU.M	250	30,872
	SALT	TONNE	1,456,807	27,285,000
	SAND & GRAVEL	TONNE	1,063,523	1,685,173
				29,278,685
COUNTY OF KENT	CLAY IN BRICK	BRICK	43,430	8,686
	CLAY IN TILE	TILE	2,791,616	1,060,814
	NATURAL GAS	CU.M	122,508,900	10,097,178
	PETROLEUM	CU.M	5,091	628,685
	SAND & GRAVEL	TONNE	544,498	1,409,111
				13,204,474
COUNTY OF LAMBTON	CLAY IN TILE	TILE	1,548,581	430,011
	NATURAL GAS	CU.M	33,195,070	2,735,934
	PETROLEUM	CU.M	46,661	5,762,157
	SALT	TONNE	747,223	3,534,364
	SAND & GRAVEL	TONNE	1,001,359	1,574,000
	SULPHUR	TONNE	16,527	1,200,567
				15,237,033
COUNTY OF LANARK	SAND & GRAVEL	TONNE	315,417	295,851
	STONE	TONNE	88,090	509,790
				805,641
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	497,990	26,327,798
	SAND & GRAVEL	TONNE	94,750	88,720
	STONE	TONNE	1,126,437	1,728,881
				28,145,399
COUNTY OF MIDDLESEX	CLAY IN OTHER PRODCT	N/A	0	8,500
	CLAY IN TILE	TILE	4,373,379	1,063,798
	PETROLEUM	CU.M	4,088	504,825
	SAND & GRAVEL	TONNE	3,787,496	9,416,394

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1981

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
				10,993,517
COUNTY OF MIDDLESEX				
COUNTY OF NORTHUMBERLAND	SAND & GRAVEL	TONNE	1,143,861	1,768,446
	STONE	TONNE	1,461,344	1,544,819
				3,313,265
COUNTY OF OXFORD	CEMENT	TONNE	369,017	24,960,326
	CLAY IN TILE	TILE	93,500	20,570
	GYPSUM	TONNE	54,336	925,448
	LIME	TONNE	754,117	34,584,224
	NATURAL GAS	CU.M	6,967,500	574,260
	PETROLEUM	CU.M	2,533	312,799
	SAND & GRAVEL	TONNE	1,404,022	3,661,025
	STONE	TONNE	2,827,924	8,899,871
				73,938,523
COUNTY OF PERTH	CEMENT	TONNE	387,210	21,991,638
	SAND & GRAVEL	TONNE	500,076	1,295,294
	STONE	TONNE	374,615	1,341,122
				24,628,054
COUNTY OF PETERBOROUGH	MAGNETITE	TONNE	7,218	78,214
	NEPHELINE SYENITE	TONNE	587,565	17,531,692
	SAND & GRAVEL	TONNE	783,716	1,259,189
	STONE	TONNE	251,138	15,873,901
				34,742,996
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	1,011,439	53,563,205
	SAND & GRAVEL	TONNE	65,316	118,303
	STONE	TONNE	1,402,923	2,623,466
				56,304,974
COUNTY OF RENFREW	CALCIUM	KG	469,403	3,512,073
	CLAY IN OTHER PRODCT	N/A	0	72,353
	LIME	TONNE	46,394	2,388,551
	MAGNESIUM	KG	8,548,042	29,439,456
	SAND & GRAVEL	TONNE	804,724	1,103,845
	STONE	TONNE	201,976	748,682

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

February 11, 1983

GW R2FAA1.DAT

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF RENFREW				37,264,960
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT	N/A	0	4,673,442
	SAND & GRAVEL	TONNE	3,330,350	6,678,185
	STONE	TONNE	2,612,784	7,089,439
				18,441,066
COUNTY OF VICTORIA	SAND & GRAVEL	TONNE	2,590,282	4,205,552
	STONE	TONNE	568,891	1,706,673
				5,912,225
COUNTY OF WELLINGTON	CLAY IN TILE	TILE	3,477,324	849,957
	LIME	TONNE	99,787	4,997,259
	NATURAL GAS	CU.M	1,135,400	93,579
	SAND & GRAVEL	TONNE	2,358,582	5,568,429
	STONE	TONNE	319,823	1,220,857
				12,730,081
DISTRICT OF ALGOMA	IRON ORE	TONNE	1,485,254	40,890,078
	LIME	TONNE	380,336	21,896,310
	SAND & GRAVEL	TONNE	1,975,989	3,831,527
	STONE	TONNE	45	3,750
	URANIUM	KG	4,489,464	482,851,000
				549,472,665
DISTRICT OF COCHRANE	CADMIUM	KG	516,214	2,499,766
	COPPER	KG	56,947,191	148,116,216
	GOLD	G	5,608,854	100,736,316
	LEAD	KG	1,826,048	2,587,058
	SAND & GRAVEL	TONNE	1,708,312	2,660,856
	SERPENTINE FILLER	TONNE	3,672	487,906
	SILVER	KG	148,982	67,623,516
	STONE	TONNE	5,315	35,651
	SULPHUR	TONNE	71,540	2,865,892
	TALC	TONNE	11,707	2,075,929
	TIN	KG	88,774	1,479,882
	ZINC	KG	164,430,558	191,523,304
				522,692,292
DISTRICT OF KENORA	CADMIUM	KG	1,959	9,683

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1981

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	COPPER	KG	8,040,031	17,792,588
	GOLD	G	7,071,717	123,717,897
	IRON ORE	TONNE	1,518,702	72,847,428
	NICKEL	KG	15,858	122,011
	PLATINUM GROUP	KG	168	1,451,297
	SAND & GRAVEL	TONNE	1,685,490	2,232,060
	SILVER	KG	5,223	2,109,607
	STONE	TONNE	825,133	4,677,68[illegible]
	ZINC	KG	2,782,174	3,327,480
				228,287,739
DISTRICT OF MANITOULIN	QUARTZ	TONNE	427,121	9,782,732
	SAND & GRAVEL	TONNE	101,741	168,565
				9,951,297
DISTRICT OF NIPISSING	IRON ORE	TONNE	1,108,922	55,313,500
	SAND & GRAVEL	TONNE	685,087	838,726
				56,152,226
DISTRICT OF PARRY SOUND	SAND & GRAVEL	TONNE	491,184	761,836
				761,836
DISTRICT OF RAINY RIVER	PEAT	TONNE	2,557	256,000
	SAND & GRAVEL	TONNE	1,114,512	2,227,975
				2,483,975
DISTRICT OF SUDBURY	GOLD	G	382,604	7,213,000
	QUARTZ	TONNE	68	4,760
	SAND & GRAVEL	TONNE	2,015,529	2,128,486
	URANIUM	KG	125,300	14,658,660
				24,004,906
DISTRICT OF THUNDER BAY	BISMUTH	KG	312	2,170
	CADMIUM	KG	91,042	450,020
	COPPER	KG	25,094,286	53,472,333
	FELDSPAR	TONNE	960	18,000
	GEMSTONES	TONNE	50	54,000
	GOLD	G	142,096	2,395,051
	LEAD	KG	1,557,473	1,421,686

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

February 11, 1983

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF THUNDER BAY	SAND & GRAVEL	TONNE	2,420,708	3,073,150
	SILVER	KG	86,025	33,800,313
	STONE	TONNE	649,450	2,700,096
	SULPHUR	TONNE	34,422	1,378,943
	ZINC	KG	78,818,075	91,432,719
				190,198,481
DISTRICT OF TIMISKAMING	BARITE	TONNE	5,000	1,100,000
	COPPER	KG	13,804	29,814
	GOLD	G	3,223,601	66,436,705
	IRON ORE	TONNE	1,230,663	74,769,043
	SAND & GRAVEL	TONNE	346,549	497,448
	SILVER	KG	36,871	12,472,639
				155,305,649
DM OF MUSKOKA	SAND & GRAVEL	TONNE	474,209	648,780
				648,780
PROVISIONAL COUNTY OF HALIBURTON	SAND & GRAVEL	TONNE	376,163	295,725
	STONE	TONNE	6,120	219,564
				515,289
RM OF DURHAM	CEMENT	TONNE	450,491	20,980,922
	SAND & GRAVEL	TONNE	4,764,738	10,334,259
	STONE	TONNE	810,089	2,900,119
				34,215,300
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	595,210	4,551,585
	NATURAL GAS	CU.M	183,256,160	15,103,972
	SAND & GRAVEL	TONNE	324,912	745,781
	STONE	TONNE	1,481,589	4,349,585
	SULPHUR	TONNE	3,246	87,496
				24,838,419
RM OF HALTON	CLAY IN BRICK	BRICK	73,252,000	11,330,000
	CLAY IN OTHER PRODCT	N/A	0	7,168
	LIME	TONNE	237,307	13,757,311
	SAND & GRAVEL	TONNE	1,495,544	3,268,874
	STONE	TONNE	8,812,572	25,233,095
	SULPHUR	TONNE	4,534	264,786

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF HALTON				53,861,234
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	6,993,069	1,045,481
	SAND & GRAVEL	TONNE	298,815	485,243
	STONE	TONNE	2,870,640	10,064,862
				11,595,586
RM OF NIAGARA	NATURAL GAS	CU.M	9,368,000	772,110
	PEAT	TONNE	6,648	945,993
	SAND & GRAVEL	TONNE	682,036	2,711,959
	STONE	TONNE	4,107,082	15,312,459
				19,742,521
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	36,607,063	4,505,463
	SAND & GRAVEL	TONNE	4,962,367	3,520,983
	STONE	TONNE	2,648,696	6,111,135
				14,137,581
RM OF PEEL	CEMENT	TONNE	1,070,550	57,147,154
	CLAY IN BRICK	BRICK	210,867,000	31,269,924
	CLAY IN OTHER PRODCT	N/A	0	30,021
	CLAY IN SEWER PIPE	METRE	5,376	23,439
	SAND & GRAVEL	TONNE	6,027,576	15,893,148
	STONE	TONNE	2,735	49,461
	SULPHUR	TONNE	4,758	289,561
				104,702,708
RM OF SUDBURY	COBALT	KG	1,831,319	94,392,310
	COPPER	KG	136,289,468	301,608,593
	GOLD	G	1,879,023	33,298,165
	IRON ORE	TONNE	51,079	1,642,500
	NICKEL	KG	130,252,652	1,001,095,978
	PLATINUM GROUP	KG	11,737	129.260,261
	SAND & GRAVEL	TONNE	2,666,362	4,857,743
	SELENIUM	KG	28,576	679,823
	SILVER	KG	51,678	20,962,973
	SULPHUR	TONNE	311,810	12,491,108
	TELLURIUM	KG	4,445	159,575

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF SUDBURY				1,605,976,833
RM OF WATERLOO	CLAY IN TILE	TILE	2,373,666	1,290,130
	SAND & GRAVEL	TONNE	2,574,788	6,736,956
				8,027,086
RM OF YORK	CLAY IN BRICK	BRICK	36,871,000	6,089,900
	SAND & GRAVEL	TONNE	5,532,684	13,324,256
				19,414,156
UC OF LEEDS AND GRENVILLE	SAND & GRAVEL	TONNE	330,800	510,257
	STONE	TONNE	302,025	883,464
				1,393,721
UC OF PRESCOTT AND RUSSELL	SAND & GRAVEL	TONNE	50,479	98,073
	STONE	TONNE	347,529	890,588
				988,661
UC OF STORMONT, DUNDAS AND GLENGARRY	SAND & GRAVEL	TONNE	338,148	802,505
	STONE	TONNE	794,041	1,729,165
				2,531,670
GRAND TOTAL				4,130,872,231

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

GW R2FAA1.DAT February 11, 1983

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1980 REPORT 2 PAGE 1

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	CEMENT	TONNE	192	32,507
	NATURAL GAS	CU.M.	444,400	33,418
	SAND & GRAVEL	TONNE	1,835,724	4,169,499
				4,235,424
COUNTY OF BRUCE	SAND & GRAVEL	TONNE	1,887,603	2,436,324
	STONE	TONNE	9,881	345,120
				2,781,444
COUNTY OF DUFFERIN	SAND & GRAVEL	TONNE	1,050,080	1,390,468
				1,390,468
COUNTY OF ELGIN	CLAY IN OTHER PRODCT		N/A	1,718,142
	CLAY IN TILE	TILE	38,690	26,379
	NATURAL GAS	CU.M.	67,222,500	5,055,131
	PETROLEUM	CU.M.	31,955	3,331,307
	SAND & GRAVEL	TONNE	352,844	590,903
				10,721,862
COUNTY OF ESSEX	LIME	TONNE	312,161	14,407,425
	PETROLEUM	CU.M.	5,074	528,962
	SALT	TONNE	2,078,804	41,654,416
	SAND & GRAVEL	TONNE	761,407	1,587,693
	STONE	TONNE	2,925,413	9,399,150
				67,577,646
COUNTY OF FRONTENAC	SAND & GRAVEL	TONNE	180,873	149,355
	STONE	TONNE	384,507	784,887
				934,242
COUNTY OF GREY	CLAY IN TILE	TILE	1,180,000	236,000
	SAND & GRAVEL	TONNE	2,357,376	2,436,952
	STONE	TONNE	4,627	163,200
				2,836,152
COUNTY OF HASTINGS	SAND & GRAVEL	TONNE	397,507	457,213
	STONE	TONNE	340,648	1,320,101
	TALC	TONNE	8,524	560,640

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

GW R2FAA.DAT

February 20, 1982

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS	TERRAZZO CHIPS	TONNE	1,922	97,672
	URANIUM(U)	KG	231,938	23,454,220
				25,889,846
COUNTY OF HURON	NATURAL GAS	CU.M.	583,200	43,856
	PETROLEUM	CU.M.	149	15,533
	SALT	TONNE	2,031,040	26,674,845
	SAND & GRAVEL	TONNE	1,176,053	1,820,679
				28,554,913
COUNTY OF KENT	CLAY IN BRICK	BRICK	140,984	26,881
	CLAY IN OTHER PRODCT		N/A	3,744
	CLAY IN TILE	TILE	4,283,605	1,006,700
	NATURAL GAS	CU.M.	83,461,800	6,276,324
	PETROLEUM	CU.M.	5,464	569,620
	SAND & GRAVEL	TONNE	694,448	1,598,104
				9,481,373
COUNTY OF LAMBTON	CLAY IN TILE	TILE	2,831,958	637,841
	NATURAL GAS	CU.M.	111,662,800	8,397,038
	PETROLEUM	CU.M.	42,629	4,444,065
	SALT	TONNE	761,273	3,071,354
	SAND & GRAVEL	TONNE	530,663	808,866
	SULPHUR	TONNE	10,754	512,997
				17,872,161
COUNTY OF LANARK	SAND & GRAVEL	TONNE	164,003	161,125
	STONE	TONNE	151,440	338,398
				499,523
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	410,945	19,988,365
	SAND & GRAVEL	TONNE	78,965	51,092
	STONE	TONNE	242,625	233,136
				20,272,593
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	3,926,255	984,467
	PETROLEUM	CU.M.	5,100	531,673
	SAND & GRAVEL	TONNE	3,569,111	9,322,420

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF MIDDLESEX				10,838,560
COUNTY OF NORTHUMBERLAND	SAND & GRAVEL	TONNE	2,015,695	3,553,352
	STONE	TONNE	1,700,682	1,311,225
				4,864,577
COUNTY OF OXFORD	CEMENT	TONNE	413,623	21,751,722
	CLAY IN TILE	TILE	506,184	103,769
	GYPSUM	TONNE	81,316	930,924
	LIME	TONNE	734,594	32,048,085
	NATURAL GAS	CU.M.	6,723,000	505,569
	PETROLEUM	CU.M.	3,511	366,021
	SAND & GRAVEL	TONNE	1,679,676	3,159,325
	STONE	TONNE	2,733,877	8,406,762
				67,272,177
COUNTY OF PERTH	CEMENT	TONNE	528,250	23,075,376
	SAND & GRAVEL	TONNE	733,130	1,530,454
	STONE	TONNE	585,934	2,097,644
				26,703,474
COUNTY OF PETERBOROUGH	MAGNETITE	TONNE	5,900	57,219
	NEPHELINE SYENITE	TONNE	599,699	16,544,153
	SAND & GRAVEL	TONNE	1,521,936	2,180,385
	STONE	TONNE	312,717	16,142,517
				34,924,274
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	1,011,822	49,829,833
	SAND & GRAVEL	TONNE	36,324	42,010
				49,871,843
COUNTY OF RENFREW	CALCIUM	KG	530,606	3,421,621
	CLAY IN OTHER PRODCT		N/A	19,540
	LIME	TONNE	47,778	2,375,802
	MAGNESIUM	KG	9,252,035	27,821,844
	SAND & GRAVEL	TONNE	1,346,090	1,742,036
	STONE	TONNE	281,489	4,133,279

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF RENFREW				39,514,122
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT		N/A	5,232,989
	SAND & GRAVEL	TONNE	4,086,217	5,686,423
	STONE	TONNE	2,102,062	5,676,476
				16,595,888
COUNTY OF VICTORIA	SAND & GRAVEL	TONNE	2,856,905	4,312,000
	STONE	TONNE	345,065	760,738
				5,072,738
COUNTY OF WELLINGTON	CLAY IN TILE	TILE	2,801,211	1,064,460
	LIME	TONNE	79,306	3,091,581
	NATURAL GAS	CU.M.	1,476,800	111,055
	SAND & GRAVEL	TONNE	2,278,195	5,204,357
	STONE	TONNE	216,536	813.575
				10,285,028
DISTRICT OF ALGOMA	COPPER	KG	19,372	45,165
	IRON ORE	TONNE	1,549,725	36,653,792
	LIME	TONNE	374,849	17,964,888
	SAND & GRAVEL	TONNE	2,603,146	3,639,042
	URANIUM(U)	KG	4,014,480	419,278,667
				477,581,554
DISTRICT OF COCHRANE	CADMIUM	KG	553,383	3,616,978
	COPPER	KG	63,742,059	164,173,215
	GOLD	G	6,127,048	129,725,468
	LEAD	KG	3,092,622	3,189,389
	SAND & GRAVEL	TONNE	1,241,813	1,502,067
	SERPENTINE FILLER	TONNE	4,097	509,822
	SILVER	KG	219,572	164,122,266
	STONE	TONNE	25,110	149,074
	SULPHUR	TONNE	66,910	1,606,053
	TALC	TONNE	7,789	1,136,895
	TIN	KG	103,012	1,989,997
	ZINC	KG	155,037,267	148,969,052
				620,690,276
DISTRICT OF KENORA	CADMIUM	KG	1,499	23,614

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	COPPER	KG	15,524,247	39,771,052
	GOLD	G	7,017,969	161,685,511
	IRON ORE	TONNE	1,508,803	65,465,190
	LEAD	KG	1,625,422	1,686,684
	NICKEL	KG	23,757	209,085
	PLATINUM GROUP	KG	382	3,963,789
	SAND & GRAVEL	TONNE	2,094,716	2,309,839
	SILVER	KG	47,160	31,422,218
	STONE	TONNE	891,600	4,573,206
	SULPHUR	TONNE	507	12,198
	ZINC	KG	22,034,849	21,762,052
				332,884,438
DISTRICT OF MANITOULIN	QUARTZ	TONNE	398,620	8,224,929
	SAND & GRAVEL	TONNE	109,608	147,455
				8,372,384
DISTRICT OF NIPISSING	IRON ORE	TONNE	1,086,023	51,496,247
	SAND & GRAVEL	TONNE	858,112	1,203,236
				52,699,483
DISTRICT OF PARRY SOUND	SAND & GRAVEL	TONNE	411,889	310,548
				310,548
DISTRICT OF RAINY RIVER	IRON ORE	TONNE	1,161,137	41,499,178
	PEAT	TONNE	1,268	105,000
	SAND & GRAVEL	TONNE	1,178,915	930,303
				42,534,481
DISTRICT OF SUDBURY	QUARTZ	TONNE	139	9,966
	SAND & GRAVEL	TONNE	2,131,742	2,209,607
	URANIUM(U)	KG	182,640	21,366,720
				23,586,293
DISTRICT OF THUNDER BAY	CADMIUM	KG	224,251	1,642,862
	COPPER	KG	19,167,985	46,702,617
	GEMSTONES	KG	90	51,736
	GOLD	G	288,651	6,480,246
	LEAD	KG	4,241,814	4,211,749

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF THUNDER BAY	SAND & GRAVEL	TONNE	3,157,832	2,881,824
	SILVER	KG	108,432	72,636,981
	STONE	TONNE	255,031	703,007
	SULPHUR	TONNE	58,781	1,414,271
	ZINC	KG	76,256,909	72,075,550
				208,800,843
DISTRICT OF TIMISKAMING	BARITE	TONNE	5,000	500,000
	COPPER	KG	7,909	18,326
	GOLD	G	3,333,576	66,166,197
	IRON ORE	TONNE	1,213,001	65,301,001
	SAND & GRAVEL	TONNE	1,276,044	1,183,990
	SILVER	KG	33,270	26,635,917
				159,805,431
DM OF MUSKOKA	SAND & GRAVEL	TONNE	192,527	194,649
				194,649
PROVISIONAL COUNTY OF HALIBURTON	SAND & GRAVEL	TONNE	192,755	130,244
	STONE	TONNE	6,228	185,853
				316,097
RM OF DURHAM	CEMENT	TONNE	591,455	23,145,216
	SAND & GRAVEL	TONNE	5,028,164	11,423,337
	STONE	TONNE	994,992	3,564,558
				38,133,111
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	658,714	4,797,646
	NATURAL GAS	CU.M.	166,565,600	12,525,730
	SAND & GRAVEL	TONNE	489,803	1,058,543
	STONE	TONNE	1,386,131	4,116,518
	SULPHUR	TONNE	1,361	60,000
				22,558,437
RM OF HALTON	CLAY IN BRICK	BRICK	63,223,687	8,853,690
	CLAY IN OTHER PRODCT		N/A	13,807
	LIME	TONNE	134,759	4,501,504
	SAND & GRAVEL	TONNE	1,840,845	3,438,547
	STONE	TONNE	8,011,238	21,375,722
	SULPHUR	TONNE	3,543	159,285

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
				38,342,555
RM OF HALTON				
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	7,277,120	998,494
	CLAY IN OTHER PRODCT		N/A	156,124
	CLAY IN TILE	TILE	568,290	187,536
	SAND & GRAVEL	TONNE	166,433	291,321
	STONE	TONNE	3,112,657	10,235,026
				11,868,501
RM OF NIAGARA	NATURAL GAS	CU.M.	7,091,800	533,303
	PEAT	TONNE	5,293	622,766
	SAND & GRAVEL	TONNE	789,045	3,115,771
	STONE	TONNE	4,277,802	15,084,277
				19,356,117
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	28,108,000	3,506,364
	SAND & GRAVEL	TONNE	1,839,059	2,649,037
	STONE	TONNE	2,811,981	6,446,472
				12,601,873
RM OF PEEL	CEMENT	TONNE	1,111,060	52,969,959
	CLAY IN BRICK	BRICK	180,532,104	25,051,939
	CLAY IN OTHER PRODCT		N/A	762,255
	CLAY IN SEWER PIPE	M	407,399	1,777,691
	SAND & GRAVEL	TONNE	6,445,738	15,117,324
	STONE	TONNE	732	38,060
	SULPHUR	TONNE	4,853	173,737
				95,890,965
RM OF SUDBURY	COBALT	KG	1,685,948	106,900,800
	COPPER	KG	146,562,848	380,477,149
	GOLD	G	1,730,255	39,835,660
	IRON ORE	TONNE	50,442	1,583,172
	NICKEL	KG	145,583,704	1,154,659,840
	PLATINUM GROUP	KG	12,394	154,959,589
	SAND & GRAVEL	TONNE	4,781,961	7,194,004
	SELENIUM	KG	43,091	1,068,915
	SILVER	KG	52,593	40,748,740

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF SUDBURY	SULPHUR	TONNE	394,946	9,502,401
	TELLURIUM	KG	4,906	246,560
				1,897,176,830
RM OF WATERLOO	CLAY IN TILE	TILE	2,331,000	559,348
	SAND & GRAVEL	TONNE	2,651,150	6,234,851
				6,794,199
RM OF YORK	CLAY IN BRICK	BRICK	34,807,000	5,181,698
	SAND & GRAVEL	TONNE	5,357,835	10,500,723
	STONE	TONNE	14,291	61,437
				15,743,858
UC OF LEEDS AND GRENVILLE	SAND & GRAVEL	TONNE	660,697	1,079,131
	STONE	TONNE	496,718	1,354,380
				2,433,511
UC OF PRESCOTT AND RUSSELL	SAND & GRAVEL	TONNE	63,097	82,640
	STONE	TONNE	524,098	1,204,534
				1,287,174
UC OF STORMONT, DUNDAS AND GLENGARRY	PEAT	TONNE	1,160	211,115
	SAND & GRAVEL	TONNE	426,503	760,697
	STONE	TONNE	860,144	1,840,584
				2,812,396
GRAND TOTAL				4,551,766,332

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1979

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	PETROLEUM	CU.M.	2,073	186,114
	SAND AND GRAVEL	TONNE	2,561.745	5,748,653
				5,934,767
COUNTY OF BRUCE	CLAY IN OTHER PRODCT		N/A	127,514
	SAND AND GRAVEL	TONNE	2,783,721	3,916,302
	STONE	TONNE	12,011	393,647
				4,437,463
COUNTY OF DUFFERIN	SAND AND GRAVEL	TONNE	1,066,585	1,509,814
				1,509,814
COUNTY OF ELGIN	NATURAL GAS	CU.M.	55,818,423	4,094,627
	PETROLEUM	CU.M.	34,331	3,082,029
	SAND AND GRAVEL	TONNE	622,237	830,579
				8,007,235
COUNTY OF ESSEX	LIME	TONNE	285,035	9,740,138
	PETROLEUM	CU.M.	3,343	300,194
	SALT	TONNE	2,318,812	38,475,290
	SAND AND GRAVEL	TONNE	826,953	2,193,060
	STONE	TONNE	2,790,884	8,738,084
				59,446,766
COUNTY OF FRONTENAC	SAND AND GRAVEL	TONNE	214,490	240,529
	STONE	TONNE	627,994	1,353,943
				1,594,472
COUNTY OF GREY	CLAY IN TILE	TILE	1,300,000	223,000
	PETROLEUM	CU.M.	3	357
	SAND AND GRAVEL	TONNE	1,621,771	2,415,565
	STONE	TONNE	4,212	91,953
				2,730,875
COUNTY OF HASTINGS	SAND AND GRAVEL	TONNE	706,884	745,404
	STONE	TONNE	434,900	1,504,577
	TALC	TONNE	9,613	502,180
	URANIUM	TONNE	215	24,409,193

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS				27,161,354
COUNTY OF HURON	SALT	TONNE	2,140,800	27,091,781
	SAND AND GRAVEL	TONNE	1.425,755	2,346,275
	STONE	TONNE	176,901	618,150
				30,056,206
COUNTY OF KENT	CLAY IN TILE	TILE	2,935,768	822,015
	NATURAL GAS	CU.M.	29,170,765	2,139,855
	PETROLEUM	CU.M.	5,962	535,593
	SAND AND GRAVEL	TONNE	897,033	1,763,676
				5,261,139
COUNTY OF LAMBTON	CLAY IN TILE	TILE	3,975,768	775,103
	NATURAL GAS	CU.M.	69,080,929	5,067,511
	PETROLEUM	CU.M.	38,744	3,478,464
	SALT	TONNE	729,049	2,333,145
	SAND AND GRAVEL	TONNE	948,594	1,346,040
	SULPHUR	TONNE	12,869	451,769
				13,452,032
COUNTY OF LANARK	SAND AND GRAVEL	TONNE	411,977	770,689
	STONE	TONNE	44,398	110,079
				880,768
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	765,685	33,452,000
	SAND AND GRAVEL	TONNE	71,286	88,941
	STONE	TONNE	396,940	593,296
				34,134,237
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	6,711,273	1,446,238
	NATURAL GAS	CU.M.	347,476	25,490
	PETROLEUM	CU.M.	5,274	473,607
	SAND AND GRAVEL	TONNE	5,941,504	13,791,159
				15,736,494
COUNTY OF NORTHUMBERLAND	SAND AND GRAVEL	TONNE	1,968,750	3,060,116
	STONE	TONNE	2,400,732	1,320,134

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1979 REPORT 2 PAGE 3

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF NORTHUMBERLAND				
				4,380,250
COUNTY OF OXFORD	CEMENT	TONNE	494,975	21,907,207
	CLAY IN TILE	TILE	450,000	89,500
	GYPSUM	TONNE	61,668	754,574
	LIME	TONNE	862,077	34,216,510
	NATURAL GAS	CU.M.	5,793,285	424,973
	PETROLEUM	CU.M.	2,256	202,642
	SAND AND GRAVEL	TONNE	1,484,139	2,762,350
	STONE	TONNE	3,151,137	8,785,685
				69,143,441
COUNTY OF PERTH	CEMENT	TONNE	515,260	23,426,423
	SAND AND GRAVEL	TONNE	777,899	1,838,274
	STONE	TONNE	708,782	2,539,221
				27,803,918
COUNTY OF PETERBOROUGH	NEPHELINE SYENITE	TONNE	605,698	15,180,042
	SAND AND GRAVEL	TONNE	1,164,861	1,638,160
	STONE	TONNE	329,799	13,757,312
				30,575,514
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	702,187	34,125,430
	SAND AND GRAVEL	TONNE	54,304	74,572
				34,200,002
COUNTY OF RENFREW	CALCIUM	TONNE	455	2,152,146
	CLAY IN OTHER PRODCT		N/A	47,000
	CLAY IN TILE	TILE	1,025,000	228,000
	MAGNESIUM	TONNE	9,014	24,444,031
	SAND AND GRAVEL	TONNE	1,312,453	1,794,564
	STONE	TONNE	229,658	516,335
				29,182,076
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT		N/A	4,523,400
	SAND AND GRAVEL	TONNE	4,587,489	6,872,914
	STONE	TONNE	2,427,215	5,045,475

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF SIMCOE				16,441,789
COUNTY OF VICTORIA	SAND AND GRAVEL	TONNE	2,618,435	3,617,065
	STONE	TONNE	324,772	608,600
				4,225,665
COUNTY OF WELLINGTON	CLAY IN TILE	TILE	2,377,884	879,817
	LIME	TONNE	83,655	3,760,110
	NATURAL GAS	CU.M.	1,219,577	89,463
	SAND AND GRAVEL	TONNE	3,379,446	6,255,787
	STONE	TONNE	251,453	1,847,989
				12,833,166
DISTRICT OF ALGOMA	COPPER	TONNE	17	40,438
	IRON ORE	TONNE	1,713,998	35,639,597
	LIME	TONNE	87,175	4,204,122
	NATURAL GAS	CU.M.	26,384,958	1,935,499
	SAND AND GRAVEL	TONNE	2,461,015	3,267,645
	STONE	TONNE	24	2,000
	URANIUM	TONNE	3,602	329,643,669
				374,732,970
DISTRICT OF COCHRANE	CADMIUM	TONNE	520	3,707,937
	COPPER	TONNE	63,556	150,693,460
	GOLD	G	7,178,432	82,921,027
	LEAD	TONNE	1,697	2,243,001
	SAND AND GRAVEL	TONNE	1,822,524	2,622,093
	SILVER	KG	182,070	75,946,826
	STONE	TONNE	14,201	76,885
	SULPHUR	TONNE	61,966	1,219,945
	TALC	TONNE	2,716	412,077
	TIN	TONNE	95	1,745,703
	ZINC	TONNE	171,249	165,049,550
				486,638,504
DISTRICT OF KENORA	CADMIUM	TONNE	1	8,652
	COPPER	TONNE	18,633	44,182,740
	GOLD	G	7,395,066	85,423,476
	LEAD	TONNE	1,893	2,500,810
	NICKEL	TONNE	24	169,966
	PLATINUM GROUP	KG	393	2,704,749
	SAND AND GRAVEL	TONNE	818,100	862,033

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1979

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	SILVER	KG	59,651	24,883,107
	STONE	TONNE	881,555	3,929,706
	ZINC	TONNE	32,805	31,617,850
				196,283,089
DISTRICT OF MANITOULIN	QUARTZ	TONNE	519,649	8,216,009
	SAND AND GRAVEL	TONNE	315,672	698,353
				8,914,362
DISTRICT OF NIPISSING	IRON ORE	TONNE	897,108	38,121,950
	SAND AND GRAVEL	TONNE	889,404	1,302,726
				39,424,676
DISTRICT OF PARRY SOUND	SAND AND GRAVEL	TONNE	900,049	1,053,430
	STONE	TONNE	1,284	105,488
				1,158,918
DISTRICT OF RAINY RIVER	IRON ORE	TONNE	2,102,870	81,380,271
	PEAT	TONNE	724	54,000
	SAND AND GRAVEL	TONNE	804,180	1,784,004
	STONE	TONNE	7,760	12,740
				83,231,015
DISTRICT OF SUDBURY	SAND AND GRAVEL	TONNE	1,023,440	1,304,835
	URANIUM	TONNE	186	21,740,389
				23,045,224
DISTRICT OF THUNDER BAY	CADMIUM	TONNE	151	1,079,088
	COPPER	TONNE	28,120	66,673,793
	GEMSTONE	TONNE	85	65,454
	GOLD	G	256,136	2,958,745
	IRON ORE	TONNE	1,516,323	58,268,862
	LEAD	TONNE	3,377	4,462,366
	NICKEL	TONNE	2,402	14,805,999
	SAND AND GRAVEL	TONNE	1,733,208	2,396,386
	SILVER	KG	117,717	49,103,178
	SULPHUR	TONNE	79,464	1,564,447
	ZINC	TONNE	85,301	82,213,782

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF THUNDER BAY				283,592,100
DISTRICT OF TIMISKAMING	BARITE	TONNE	3,628	596,000
	COPPER	TONNE	N/A	261
	GOLD	G	3,574,348	41,288,772
	IRON ORE	TONNE	1,242,394	60,628,459
	SAND AND GRAVEL	TONNE	1,030,540	1,238,942
	SILVER	KG	23,599	9,845,021
				113,597,455
DM OF MUSKOKA	SAND AND GRAVEL	TONNE	367,868	460,093
				460,093
PROVISIONAL COUNTY OF HALIBURTON	SAND AND GRAVEL	TONNE	336,135	369,325
	STONE	TONNE	8,346	199,872
				569,197
RM OF DURHAM	CEMENT	TONNE	400,773	18,127,079
	SAND AND GRAVEL	TONNE	7,185,482	12,841,991
	STONE	TONNE	1,127,954	4,040,910
				35,009,980
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	681,841	4,076,543
	NATURAL GAS	CU.M.	99,086,279	7,268,590
	SAND AND GRAVEL	TONNE	488,734	955,629
	STONE	TONNE	1,911,199	4,792,187
	SULPHUR	TONNE	668	28,109
				17,121,058
RM OF HALTON	CLAY IN BRICK	BRICK	72,798,000	9,674,000
	CLAY IN OTHER PRODCT		N/A	5,000
	CLAY IN TILE	TILE	56,000	11,000
	SAND AND GRAVEL	TONNE	1,592,381	2,518,159
	STONE	TONNE	9,063,736	20,171,547
	SULPHUR	TONNE	3,492	88,742
				32,468,448
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	9,775,652	1,146,667

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF HAMILTON-WENTWORTH	CLAY IN OTHER PRODCT		N/A	66,610
	CLAY IN TILE	TILE	614,660	184,398
	SAND AND GRAVEL	TONNE	677,365	611,911
	STONE	TONNE	2,959,750	8,799,592
				10,809,178
RM OF NIAGARA	CLAY IN BRICK	BRICK	4,744,526	650,000
	NATURAL GAS	CU.M.	5,098,306	373,992
	PEAT	TONNE	5,423	519,902
	SAND ANC GRAVEL	TONNE	889,166	2,766,110
	STONE	TONNE	4,189,748	10,654,370
				14,964,374
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	35,395,417	3,970,395
	SAND AND GRAVEL	TONNE	2,832,062	4,722,572
	STONE	TONNE	3,041,388	7,433,480
				16,126,447
RM OF PEEL	CEMENT	TONNE	1,238,295	51,214,070
	CLAY IN BRICK	BRICK	204,540,000	26,005,772
	CLAY IN OTHER PRODCT		N/A	316,259
	CLAY IN SEWER PIPE	M	822,589	3,481,432
	SAND AND GRAVEL	TONNE	6,785,321	13,553,958
	STONE	TONNE	20,631	50,409
	SULPHUR	TONNE	3,261	104,579
				94,726,479
RM OF SUDBURY	COBALT	TONNE	1,277	86,299,973
	COPPER	TONNE	82,615	195,881,422
	GOLD	G	768,877	8,881,624
	IRON ORE	TONNE	402,240	13,151,852
	NICKEL	TONNE	86,017	551,303,343
	PLATINUM GROUP	KG	5,761	53,628,812
	QUARTZ	TONNE	460,628	749,411
	SAND AND GRAVEL	TONNE	2,569,787	3,482,981
	SELENIUM	TONNE	18	581,356
	SILVER	KG	28,899	12,054,675
	SULPHUR	TONNE	174,560	3,436,621
	TELLURIUM	TONNE	3	161,667
				929,613,737
RM OF WATERLOO	CLAY IN TILE	TILE	2,622,000	590,000

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF WATERLOO	SAND AND GRAVEL	TONNE	4,358,268	9,561,448
				10,151,448
RM OF YORK	CLAY IN BRICK	BRICK	39,285,000	5,504,373
	SAND AND GRAVEL	TONNE	6,029,273	10,040,413
				15,544,786
UC OF LEEDS AND GRENVILLE	SAND AND GRAVEL	TONNE	801,373	1,058,753
	STONE	TONNE	512,809	1,322,525
				2,381,278
UC OF PRESCOTT AND RUSSELL	SAND AND GRAVEL	TONNE	177,341	289,710
	STONE	TONNE	503,968	1,060,812
				1,350,522
UC OF STORMONT, DUNDUS AND GLENGARRY	PEAT	TONNE	887	101,645
	SAND AND GRAVEL	TONNE	1,252,122	2,347,712
	STONE	TONNE	723,233	1,989,358
				4,438,715
UNKNOWN MUNICIPALITY	SAND AND GRAVEL	TONNE	4,926,177	4,115,757
	STONE	TONNE	551,586	1,011,629
				5,127,386
GRAND TOTAL				3,240,610,882

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

GW R2FAA9.DAT February 19, 1982

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1978 REPORT 2

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	NATURAL GAS	CU.M	548,000	32,902
	PETROLEUM	CU.M	2,106	182,118
	SAND AND GRAVEL	TONNE	2,082,556	4,380,555
				4,595,575
COUNTY OF BRUCE	SAND AND GRAVEL	TONNE	1,962,128	2,506,845
	STONE	TONNE	252,538	432,203
				2,939,048
COUNTY OF DUFFERIN	SAND AND GRAVEL	TONNE	1,017,474	1,491,314
				1,491,314
COUNTY OF ELGIN	NATURAL GAS	CU.M	68,062,000	4,086,109
	PETROLEUM	CU.M	35,273	3,050,603
	SAND AND GRAVEL	TONNE	908,971	1,183,905
				8,320,617
COUNTY OF ESSEX	LIME	TONNE	325,213	10,575,337
	PETROLEUM	CU.M	3,366	291,129
	SALT	TONNE	2,262,932	33,278,483
	SAND AND GRAVEL	TONNE	754,002	1,314,310
	STONE	TONNE	2,419,169	7,495,193
				52,954,452
COUNTY OF FRONTENAC	SAND AND GRAVEL	TONNE	422,059	571,055
	STONE	TONNE	765,583	1,484,932
				2,055,987
COUNTY OF GREY	CLAY IN TILE	TILE	1,330,000	222,400
	SAND AND GRAVEL	TONNE	1,140,470	1,290,008
	STONE	TONNE	133,356	594,330
				2,106,738
COUNTY OF HASTINGS	IRON ORE	TONNE	99,630	2,813,225
	SAND AND GRAVEL	TONNE	581,708	630,324
	STONE	TONNE	332,045	994,161
	TALC	TONNE	8,250	424,205
	URANIUM	TONNE	396	41,432,925

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS				46,294,840
COUNTY OF HURON	SALT	TONNE	1,935,422	26,463,144
	SAND AND GRAVEL	TONNE	1,133,230	1,669,327
				28,132,471
COUNTY OF KENT	CLAY IN BRICK	BRICK	500	50
	CLAY IN TILE	TILE	2,455,550	698,329
	NATURAL GAS	CU.M	35,588,000	2,136,530
	PETROLEUM	CU.M	6,144	531,328
	SAND AND GRAVEL	TONNE	1,835,120	3,229,132
				6,595,369
COUNTY OF LAMBTON	CLAY IN TILE	TILE	3,662,426	713,523
	NATURAL GAS	CU.M	84,230,000	5,056,782
	PETROLEUM	CU.M	39,777	3,440,112
	SALT	TONNE	666,849	1,937,649
	SAND AND GRAVEL	TONNE	1,699,177	2,587,868
	SULPHUR	TONNE	123	4,171
				13,740,105
COUNTY OF LANARK	SAND AND GRAVEL	TONNE	257,282	369,621
	STONE	TONNE	252,288	600,713
				970,334
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	694,746	28,335,562
	CLAY IN TILE	TILE	84,000	21,000
	SAND AND GRAVEL	TONNE	135,363	201,996
	STONE	TONNE	259,565	480,645
				29,039,203
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	3,475,863	749,841
	NATURAL GAS	CU.M	425,000	25,500
	PETROLEUM	CU.M	5,454	471,707
	SAND AND GRAVEL	TONNE	6,314,490	12,645,706
				13,892,754
COUNTY OF NORTHUMBERLAND	SAND AND GRAVEL	TONNE	1,927,874	3,022,525

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1978

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF NORTHUMBERLAND	STONE	TONNE	2,285,409	2,197,803
				5,220,328
COUNTY OF OXFORD	CEMENT	TONNE	504,700	20,528,340
	CLAY IN TILE	TILE	460,000	89,069
	GYPSUM	TONNE	14,582	166,753
	LIME	TONNE	838,301	30,476,507
	NATURAL GAS	CU.M	7,069,000	424,363
	PETROLEUM	CU.M	2,297	198,688
	SAND AND GRAVEL	TONNE	1,583,729	2,596,969
	STONE	TONNE	2,984,239	8,281,452
				62,762,141
COUNTY OF PERTH	CEMENT	TONNE	411,466	16,691,155
	SAND AND GRAVEL	TONNE	761,276	1,476,001
	STONE	TONNE	479,692	1,718,502
				19,885,658
COUNTY OF PETERBOROUGH	NEPHELINE SYENITE	TONNE	599,121	14,181,840
	SAND AND GRAVEL	TONNE	1,539,810	1,885,860
	STONE	TONNE	305,912	9,867,094
				25,934,794
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	725,155	31,337,728
	SAND AND GRAVEL	TONNE	35,016	37,034
				31,374,762
COUNTY OF RENFREW	CALCIUM	TONNE	575	2,397,480
	CLAY IN OTHER PRODCT		N/A	47,666
	CLAY IN TILE	TILE	1,025,584	228,705
	MAGNESIUM	TONNE	8,311	20,155,430
	SAND AND GRAVEL	TONNE	730,237	1,199,805
	STONE	TONNE	200,849	575,492
				24,604,578
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT		N/A	3,530,400
	SAND AND GRAVEL	TONNE	4,080,361	5,733,638
	STONE	TONNE	2,215,749	3,971,937

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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FEBRUARY 16, 1982

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF SIMCOE				13,235,975
COUNTY OF VICTORIA	SAND AND GRAVEL	TONNE	2,097,680	3,333,722
	STONE	TONNE	213,188	505,250
				3,838,972
COUNTY OF WELLINGTON	CLAY IN TILE	TILE	4,549,464	959,939
	LIME	TONNE	101,640	4,193,486
	NATURAL GAS	CU.M	1,122,000	67,344
	SAND AND GRAVEL	TONNE	2,994,376	4,915,644
	STONE	TONNE	222,023	496,851
				10,633,264
DISTRICT OF ALGOMA	IRON ORE	TONNE	1,732,209	31,151,231
	LIME	TONNE	76,616	3,247,955
	SAND AND GRAVEL	TONNE	2,630,520	3,971,307
	STONE	TONNE	62	1,700
	URANIUM	TONNE	3,928	307,188,139
				345,560,332
DISTRICT OF COCHRANE	CADMIUM	TONNE	381	2,346,509
	COPPER	TONNE	50,463	82,979,042
	GOLD	G	7,848,000	55,613,535
	LEAD	TONNE	2,047	1,661,932
	NICKEL	TONNE	622	3,269,544
	PLATINUM GROUP	KG	1	3,638
	SAND AND GRAVEL	TONNE	2,961,400	3,039,352
	SERPENTINE	TONNE	8,168	719,973
	SILVER	KG	205,254	40,722,910
	STONE	TONNE	13,349	74,169
	SULPHUR	TONNE	48,747	833,952
	TALC	TONNE	136	16,119
	TIN	TONNE	99	1,423,708
	ZINC	TONNE	177,256	135,824,061
				328,528,444
DISTRICT OF KENORA	CADMIUM	TONNE	7	45,816
	COPPER	TONNE	26,094	42,908,009
	GOLD	G	7,977,000	56,528,664
	IRON ORE	TONNE	1,544,380	50,624,849
	LEAD	TONNE	4,549	3,692,812
	NICKEL	TONNE	17	88,989

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	PLATINUM GROUP	KG	379	1,593,657
	SAND AND GRAVEL	TONNE	1,002,377	760,384
	SILVER	KG	124,348	24,670,855
	STONE	TONNE	997,922	4,240,714
	SULPHUR	TONNE	174	2,980
	ZINC	TONNE	77,200	59,155,681
				244,313,410
DISTRICT OF MANITOULIN	QUARTZ	TONNE	471,340	6,322,951
	SAND AND GRAVEL	TONNE	281,183	533,727
				6,856,678
DISTRICT OF NIPISSING	COBALT	TONNE	4	110,513
	COPPER	TONNE	249	408,462
	IRON ORE	TONNE	1,122,353	41,428,377
	NICKEL	TONNE	137	719,194
	SAND AND GRAVEL	TONNE	946,626	1,723,591
				44,390,137
DISTRICT OF PARRY SOUND	SAND AND GRAVEL	TONNE	967,056	1,046,142
	STONE	TONNE	1,187	81,929
				1,128,071
DISTRICT OF RAINY RIVER	IRON ORE	TONNE	2,814,780	91,759,909
	PEAT	TONNE	1,615	142,533
	SAND AND GRAVEL	TONNE	400,060	738,031
	STONE	TONNE	11,434	20,411
				92,660,884
DISTRICT OF SUDBURY	QUARTZ	TONNE	76,526	226,326
	SAND AND GRAVEL	TONNE	1,069,199	1,516,293
				1,742,619
DISTRICT OF THUNDER BAY	CADMIUM	TONNE	130	799,292
	COPPER	TONNE	23,803	39,140,614
	GEMSTONE	TONNE	317	82,800
	GOLD	G	84,000	595,539
	LEAD	TONNE	464	376,764
	NICKEL	TONNE	3,922	19,711,476
	SAND AND GRAVEL	TONNE	4,364,245	5,109,001

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF THUNDER BAY	SILVER	KG	38,599	7,658,118
	STONE	TONNE	747,158	1,233,606
	SULPHUR	TONNE	31,218	534,074
	ZINC	TONNE	23,005	17,627,908
				92,869,192
DISTRICT OF TIMISKAMING	BARITE	TONNE	4,536	475,000
	COPPER	TONNE	1	212
	GOLD	G	4,324,000	30,642,744
	IRON ORE	TONNE	1,250,237	53,396,549
	SAND AND GRAVEL	TONNE	1,034,545	1,487,021
	SILVER	KG	41,459	8,225,561
				94,227,087
DM OF MUSKOKA	SAND AND GRAVEL	TONNE	428,106	493,405
	STONE	TONNE	2,722	6,000
				499,405
PROVISIONAL COUNTY OF HALIBURTON	QUARTZ	TONNE	2,721	65,000
	SAND AND GRAVEL	TONNE	283,438	365,382
	STONE	TONNE	4,627	99,000
				529,382
RM OF DURHAM	CEMENT	TONNE	421,072	17,652,350
	SAND AND GRAVEL	TONNE	7,772,364	14,719,311
	STONE	TONNE	1,045,810	3,746,626
				36,118,287
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	741,115	4,358,005
	NATURAL GAS	CU.M	152,810,000	9,173,927
	SAND AND GRAVEL	TONNE	607,277	1,235,561
	STONE	TONNE	1,149,533	2,787,258
				17,554,751
RM OF HALTON	CLAY IN BRICK	BRICK	77,365,300	9,496,492
	CLAY IN OTHER PRODCT		N/A	329,189
	CLAY IN TILE	TILE	55,984	10,637
	SAND AND GRAVEL	TONNE	1,514,411	2,509,867
	STONE	TONNE	8,670,686	17,730,323

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF HALTON				30,076,508
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	7,042,428	885,040
	CLAY IN OTHER PRODCT		N/A	171,556
	CLAY IN TILE	TILE	1,089,937	226,489
	SAND AND GRAVEL	TONNE	484,000	553,161
	STONE	TONNE	2,839,674	8,897,872
				10,734,118
RM OF NIAGARA	CLAY IN BRICK	BRICK	10,000,000	1,410,000
	NATURAL GAS	CU.M	6,220,000	373,407
	PEAT	TONNE	4,872	529,044
	SAND AND GRAVEL	TONNE	1,016,428	3,015,960
	STONE	TONNE	4,661,137	12,066,451
				17,394,862
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	31,746,706	3,551,110
	SAND AND GRAVEL	TONNE	3,336,140	4,653,719
	STONE	TONNE	3,190,615	7,202,498
				15,407,327
RM OF PEEL	CEMENT	TONNE	1,193,743	45,660,897
	CLAY IN BRICK	BRICK	200,183,295	23,300,376
	CLAY IN OTHER PRODCT		N/A	100,661
	CLAY IN SEWER PIPE	M	1,316,285	4,314,289
	SAND AND GRAVEL	TONNE	5,720,646	11,789,193
	STONE	TONNE	31,281	72,652
				85,238,068
RM OF SUDBURY	COBALT	TONNE	903	23,915,578
	COPPER	TONNE	96,484	158,576,217
	GOLD	G	1,571,000	11,132,538
	IRON ORE	TONNE	1,036,412	37,192,791
	NICKEL	TONNE	88,779	449,895,927
	PLATINUM GROUP	KG	10,508	64,164,139
	QUARTZ	TONNE	295,813	364,051
	SAND AND GRAVEL	TONNE	2,961,117	3,984,559
	SELENIUM	TONNE	31	1,187,485
	SILVER	KG	34,702	6,884,929
	SULPHUR	TONNE	219,776	3,759,906
	TELLURIUM	TONNE	5	266,912
	URANIUM	TONNE	129	15,218,486

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF SUDBURY				776,543,518
RM OF WATERLOO	CLAY IN TILE	TILE	2,819,000	580,508
	SAND AND GRAVEL	TONNE	4,024,131	8,015,162
				8,595,670
RM OF YORK	CLAY IN BRICK	BRICK	42,542,000	5,504,968
	SAND AND GRAVEL	TONNE	6,269,706	9,942,774
				15,447,742
UC OF LEEDS AND GRENVILLE	SAND AND GRAVEL	TONNE	442,637	539,014
	STONE	TONNE	388,419	995,231
				1,534,245
UC OF PRESCOTT AND RUSSELL	SAND AND GRAVEL	TONNE	142,226	252,524
	STONE	TONNE	432,909	793,419
				1,045,943
UC OF STORMONT, DUNDAS AND GLENGARRY	PEAT	TONNE	1,834	110,015
	SAND AND GRAVEL	TONNE	1,191,529	2,475,605
	STONE	TONNE	629,064	1,876,134
				4,461,754
GRAND TOTAL				2,684,077,713

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	NATURAL GAS	CU.M.	605,000	25,708
	PETROLEUM	CU.M.	2,488	168,135
	SAND AND GRAVEL	TONNE	1,450,796	3,168,344
				3,362,187
COUNTY OF BRUCE	CLAY IN OTHER PRODCT		N/A	22,000
	CLAY IN TILE	TILE	14,000	4,008
	SAND AND GRAVEL	TONNE	1,490,850	1,806,389
	STONE	TONNE	5,909	195,935
				2,028,332
COUNTY OF DUFFERIN	SAND AND GRAVEL	TONNE	974,855	1,360,131
				1,360,131
COUNTY OF ELGIN	NATURAL GAS	CU.M.	53,872,000	2,290,060
	PETROLEUM	CU.M.	40,835	2,760,033
	SAND AND GRAVEL	TONNE	396,143	713,453
				5,763,546
COUNTY OF ESSEX	LIME	TONNE	289,196	8,698,660
	PETROLEUM	CU.M.	2,599	175,696
	SALT	TONNE	1,935,267	29,515,786
	SAND AND GRAVEL	TONNE	702,810	1,157,059
	STONE	TONNE	2,014,482	6,347,821
				45,895,022
COUNTY OF FRONTENAC	SAND AND GRAVEL	TONNE	324,753	346,144
	STONE	TONNE	1,178,633	2,297,802
				2,643,946
COUNTY OF GREY	CLAY IN TILE	TILE	1,048,000	163,200
	SAND AND GRAVEL	TONNE	1,619,143	1,725,328
	STONE	TONNE	180,144	669,450
				2,557,978
COUNTY OF HASTINGS	IRON ORE	TONNE	497,830	9,773,772
	SAND AND GRAVEL	TONNE	465,739	480,152
	STONE	TONNE	405,377	1,516,898

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS	TALC	TONNE	14,109	660,189
	URANIUM	TONNE	24	2,630,154
				15,061,165
COUNTY OF HURON	SALT	TONNE	2,022,712	25,546,844
	SAND AND GRAVEL	TONNE	962,094	1,261,368
				26,808,212
COUNTY OF KENT	CLAY IN BRICK	BRICK	40,492	4,859
	CLAY IN TILE	TILE	3,629,356	894,506
	NATURAL GAS	CU.M.	40,588,000	1,725,362
	PETROLEUM	CU.M.	6,211	419,799
	SAND AND GRAVEL	TONNE	1,327,537	2,416,538
				5,461,064
COUNTY OF LAMBTON	CLAY IN TILE	TILE	3,586,724	670,911
	NATURAL GAS	CU.M.	29,160,000	1,239,577
	PETROLEUM	CU.M.	39,643	2,679,466
	SALT	TONNE	628,512	2,078,448
	SAND AND GRAVEL	TONNE	874,120	1,331,994
	SULPHUR	TONNE	183	5,355
				8,005,751
COUNTY OF LANARK	SAND AND GRAVEL	TONNE	324,328	407,061
	STONE	TONNE	110,715	254,168
				661,229
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	567,870	21,946,000
	CLAY IN TILE	TILE	233,000	51,351
	SAND AND GRAVEL	TONNE	218,045	197,986
	STONE	TONNE	124,755	195,855
				22,391,192
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	3,383,220	708,559
	NATURAL GAS	CU.M.	312,000	13,246
	PETROLEUM	CU.M.	3,659	247,337
	SAND AND GRAVEL	TONNE	5,231,025	10,306,235

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1977

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF MIDDLESEX				11,275,377
COUNTY OF NORTHUMBERLAND	SAND AND GRAVEL	TONNE	1,857,144	2,658,578
	STONE	TONNE	418,690	1,239,605
				3,898,183
COUNTY OF OXFORD	CEMENT	TONNE	479,910	18,582,800
	CLAY IN TILE	TILE	415,774	82,496
	LIME	TONNE	744,062	24,464,985
	NATURAL GAS	CU.M.	4,978,000	211,613
	PETROLEUM	CU.M.	2,612	176,534
	SAND AND GRAVEL	TONNE	1,327,275	2,007,927
	STONE	TONNE	887,183	3,074,527
				48,600,882
COUNTY OF PERTH	CEMENT	TONNE	399,052	15,336,600
	SAND AND GRAVEL	TONNE	797,598	1,505,549
				16,842,149
COUNTY OF PETERBOROUGH	NEPHELINE SYENITE	TONNE	574,558	11,983,799
	SAND AND GRAVEL	TONNE	1,491,350	2,053,756
	STONE	TONNE	260,039	7,661,868
				21,699,423
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	767,798	30,913,464
	SAND AND GRAVEL	TONNE	17,674	16,022
				30,929,486
COUNTY OF RENFREW	CALCIUM	TONNE	491	1,801,506
	CLAY IN TILE	TILE	1,166,700	237,494
	MAGNESIUM	TONNE	7,633	17,766,569
	SAND AND GRAVEL	TONNE	1,359,890	1,714,405
	STONE	TONNE	139,715	343,062
				21,863,036
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT		N/A	3,577,961
	SAND AND GRAVEL	TONNE	3,443,923	4,705,781
	STONE	TONNE	1,863,180	3,880,809

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF SIMCOE				12,164,551
COUNTY OF VICTORIA	SAND AND GRAVEL	TONNE	2,527,746	3,815,192
				3,815,192
COUNTY OF WELLINGTON	CLAY IN TILE	TILE	4,020,720	808,057
	LIME	TONNE	93,216	3,862,751
	NATURAL GAS	CU.M.	1,083,000	46,059
	SAND AND GRAVEL	TONNE	1,940,609	3,259,549
	STONE	TONNE	47,849	116,223
				8,092,639
DISTRICT OF ALGOMA	IRON ORE	TONNE	1,771,432	27,100,783
	LIME	TONNE	77,349	2,944,990
	SAND AND GRAVEL	TONNE	1,872,891	2,571,338
	URANIUM	TONNE	3,584	245,914,331
				278,531,442
DISTRICT OF COCHRANE	CADMIUM	TONNE	412	2,859,116
	COPPER	TONNE	55,694	85,342,291
	GOLD	G	8,156,000	41,195,020
	LEAD	TONNE	2,923	2,028,830
	NICKEL	TONNE	1,959	10,561,808
	SAND AND GRAVEL	TONNE	1,781,403	2,779,064
	SILVER	KG	224,232	35,469,348
	STONE	TONNE	9,771	53,855
	SULPHUR	TONNE	48,293	1,014,108
	TIN	TONNE	141	1,633,889
	ZINC	TONNE	169,138	132,489,669
				315,426,998
DISTRICT OF KENORA	CADMIUM	TONNE	8	58,807
	COPPER	TONNE	31,089	47,639,167
	GOLD	G	8,135,000	41,084,585
	IRON ORE	TONNE	1,561,636	44,847,799
	LEAD	TONNE	4,870	3,380,385
	NICKEL	TONNE	27	145,293
	PLATINUM GROUP	KG	244	716,795
	SAND AND GRAVEL	TONNE	792,829	588,268
	SILVER	KG	152,643	24,145,279
	STONE	TONNE	554,168	2,315,131
	SULPHUR	TONNE	245	5,144

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	ZINC	TONNE	97,170	76,115,559
				241,042,212
DISTRICT OF MANITOULIN	QUARTZ	TONNE	395,103	4,873,837
	SAND AND GRAVEL	TONNE	267,996	284,001
				5,157,838
DISTRICT OF NIPISSING	COBALT	TONNE	1	8,957
	COPPER	TONNE	49	75,490
	IRON ORE	TONNE	1,080,563	35,170,939
	NICKEL	TONNE	27	147,217
	SAND AND GRAVEL	TONNE	906,729	1,485,794
				36,888,397
DISTRICT OF PARRY SOUND	SAND AND GRAVEL	TONNE	638,932	1,024,646
	STONE	TONNE	1,172	69,922
				1,094,568
DISTRICT OF RAINY RIVER	IRON ORE	TONNE	2,967,005	86,320,961
	PEAT	TONNE	544	43,500
	SAND AND GRAVEL	TONNE	247,361	537,823
	STONE	TONNE	13,637	23,768
				86,926,052
DISTRICT OF THUNDER BAY	CADMIUM	TONNE	183	1,269,955
	COPPER	TONNE	31,670	48,529,417
	GEMSTONE	TONNE	293	89,530
	GOLD	G	117,000	589,241
	LEAD	TONNE	345,000	239,289
	NICKEL	TONNE	5,632	28,783,051
	SAND AND GRAVEL	TONNE	3,025,134	3,465,789
	SILVER	KG	48,993	7,749,747
	STONE	TONNE	867,692	2,236,685
	SULPHUR	TONNE	24,209	508,368
	ZINC	TONNE	29,112	22,804,173
				116,265,245
DISTRICT OF TIMISKAMING	ASBESTOS	TONNE	6,625	730,300
	BARITE	TONNE	3,629	375,000
	COPPER	TONNE	N/A	164

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF TIMISKAMING	GOLD	G	5,034,000	25,425,483
	IRON ORE	TONNE	1,218,619	46,007,948
	SAND AND GRAVEL	TONNE	583,549	771,728
	SILVER	KG	41,170	6,512,383
				79,823,006
DM OF MUSKOKA	SAND AND GRAVEL	TONNE	467,753	589,821
	STONE	TONNE	36,287	120,000
				709,821
PROVISIONAL COUNTY OF HALIBURTON	QUARTZ	TONNE	2,549	70,250
	SAND AND GRAVEL	TONNE	295,173	331,458
	STONE	TONNE	6,982	147,350
				549,058
RM OF DURHAM	CEMENT	TONNE	365,850	13,467,167
	SAND AND GRAVEL	TONNE	6,318,798	11,388,960
				24,856,127
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	699,390	3,991,126
	NATURAL GAS	CU.M.	108,035,000	4,592,519
	SAND AND GRAVEL	TONNE	534,145	1,112,801
	STONE	TONNE	1,162,271	2,747,066
				12,443,512
RM OF HALTON	CLAY IN BRICK	BRICK	82,317,559	9,559,858
	CLAY IN OTHER PRODCT		N/A	37,457
	SAND AND GRAVEL	TONNE	959,482	1,875,928
	STONE	TONNE	7,861,767	16,237,316
				27,710,559
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	8,589,677	955,542
	CLAY IN OTHER PRODCT		N/A	512,713
	CLAY IN TILE	TILE	939,800	234,950
	SAND AND GRAVEL	TONNE	181,408	99,984
	STONE	TONNE	2,386,159	7,195,698

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF HAMILTON-WENTWORTH				8,998,887
RM OF NIAGARA	CLAY IN BRICK	BRICK	10,000,000	1,310,000
	NATURAL GAS	CU.M.	2,890,000	122,856
	PEAT	TONNE	5,184	508,957
	SAND AND GRAVEL	TONNE	981,696	2,716,361
	STONE	TONNE	4,299,231	10,060,436
				14,718,610
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	33,706,000	3,333,254
	SAND AND GRAVEL	TONNE	3,116,746	5,236,052
	STONE	TONNE	2,779,997	6,243,947
				14,813,253
RM OF PEEL	CEMENT	TONNE	1,066,824	38,549,168
	CLAY IN BRICK	BRICK	195,539,830	20,585,328
	CLAY IN SEWER PIPE	M	1,529,652	4,767,616
	SAND AND GRAVEL	TONNE	6,251,226	12,053,431
	STONE	TONNE	1,294	45,362
				76,000,905
RM OF SUDBURY	COBALT	TONNE	1,262	16,043,632
	COPPER	TONNE	161,434	246,394,064
	GOLD	G	1,547,000	7,813,607
	IRON ORE	TONNE	1,222,572	38,588,553
	NICKEL	TONNE	172,350	887,880,986
	PLATINUM GROUP	KG	14,231	61,271,611
	QUARTZ	TONNE	645,414	1,184,840
	SAND AND GRAVEL	TONNE	3,794,795	5,096,920
	SELENIUM	TONNE	53	2,128,700
	SILVER	KG	57,281	9,060,864
	SULPHUR	TONNE	304,858	6,401,714
	TELLURIUM	TONNE	8	325,367
	URANIUM	TONNE	18	2,144,194
				1,284,335,052
RM OF WATERLOO	CLAY IN TILE	TILE	2,784,400	541,081
	SAND AND GRAVEL	TONNE	3,590,125	7,094,443

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

FEBRUARY 17, 1982

GW R2IAA7.DAT

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF WATERLOO				7,635,524
RM OF YORK	CLAY IN BRICK	BRICK	39,120,800	4,721,069
	SAND AND GRAVEL	TONNE	5,176,581	8,098,275
				12,819,344
UC OF LEEDS AND GRENVILLE	SAND AND GRAVEL	TONNE	780,372	867,705
	STONE	TONNE	446,258	1,020,674
				1,888,379
UC OF PRESCOTT AND RUSSELL	SAND AND GRAVEL	TONNE	200,452	368,607
	STONE	TONNE	393,241	715,869
				1,084,476
UC OF STORMONT, DUNDAS AND GLENGARRY	PEAT	TONNE	972	55,279
	SAND AND GRAVEL	TONNE	1,509,367	2,921,755
	STONE	TONNE	412,534	857,175
				3,834,209
GRAND TOTAL				2,974,734,147

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

GW R21AA7.DAT

FEBRUARY 17, 1982

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VOLUME AND VALUE OF ONTARIO MINERAL COMMODITY PRODUCTION IN 1976 REPORT 2 PAGE 1

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF BRANT	PETROLEUM	CU.M.	2,707	143,033
	SAND AND GRAVEL	TONNE	2,778,634	5,397,554
				5,540,587
COUNTY OF BRUCE	CLAY IN OTHER PRODCT		N/A	243,000
	CLAY IN TILE	TILE	591,025	112,554
	SAND AND GRAVEL	TONNE	1,170,495	1,369,356
	STONE	TONNE	5,645	159,557
				1,884,467
COUNTY OF DUFFERIN	SAND AND GRAVEL	TONNE	845,347	909,139
				909,139
COUNTY OF ELGIN	NATURAL GAS	CU.M.	14,422,000	499,133
	PETROLEUM	CU.M.	38,024	2,008,840
	SAND AND GRAVEL	TONNE	446,068	721,579
				3,229,552
COUNTY OF ESSEX	LIME	TONNE	281,595	8,268,602
	PETROLEUM	CU.M.	2,010	106,184
	SALT	TONNE	1,637,841	22,320,575
	SAND AND GRAVEL	TONNE	888,841	1,525,301
	STONE	TONNE	1,833,234	4,991,095
				37,211,757
COUNTY OF FRONTENAC	SAND AND GRAVEL	TONNE	286,635	366,966
	STONE	TONNE	835,681	1,591,950
				1,958,916
COUNTY OF GREY	CLAY IN TILE	TILE	1,320,000	208,000
	SAND AND GRAVEL	TONNE	948,022	807,669
	STONE	TONNE	4,221	120,368
				1,136,037
COUNTY OF HASTINGS	IRON ORE	TONNE	463,653	13,121,014
	SAND AND GRAVEL	TONNE	300,578	453,226
	STONE	TONNE	479,238	1,697,359
	TALC	TONNE	17,464	556,002

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

GW R2IAA6.DAT FEBRUARY 17, 1982

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF HASTINGS				15,827,601
COUNTY OF HURON	PETROLEUM	CU.M.	412	21,754
	SALT	TONNE	2,280,675	28,354,537
	SAND AND GRAVEL	TONNE	1,110,473	1,450,049
				29,826,340
COUNTY OF KENT	CLAY IN BRICK	BRICK	42,000	4,200
	CLAY IN TILE	TILE	4,627,051	836,662
	NATURAL GAS	CU.M.	44,331,000	1,534,293
	PETROLEUM	CU.M.	6,259	330,656
	SAND AND GRAVEL	TONNE	1,154,481	2,460,179
				5,165,990
COUNTY OF LAMBTON	CLAY IN TILE	TILE	4,241,862	740,635
	NATURAL GAS	CU.M.	10,476,000	362,568
	PETROLEUM	CU.M.	39,735	2,099,219
	SALT	TONNE	570,592	1,817,723
	SAND AND GRAVEL	TONNE	1,233,600	1,503,041
	SULPHUR	TONNE	142	4,163
				6,527,349
COUNTY OF LANARK	SAND AND GRAVEL	TONNE	113,136	122,890
	STONE	TONNE	15,292	34,614
				157,504
COUNTY OF LENNOX AND ADDINGTON	CEMENT	TONNE	586,187	20,600,000
	CLAY IN TILE	TILE	367,167	58,294
	SAND AND GRAVEL	TONNE	179,185	373,475
	STONE	TONNE	244,043	208,861
				21,240,630
COUNTY OF MIDDLESEX	CLAY IN TILE	TILE	3,961,458	750,180
	NATURAL GAS	CU.M.	162,000	5,596
	PETROLEUM	CU.M.	6,819	360,257
	SAND AND GRAVEL	TONNE	3,545,223	6,557,920

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
				7,673,953
COUNTY OF MIDDLESEX				
COUNTY OF NORTHUMBERLAND	SAND AND GRAVEL	TONNE	1,360,267	2,134,894
				2,134,894
COUNTY OF OXFORD	CEMENT	TONNE	491,444	16,952,000
	CLAY IN TILE	TILE	840,104	167,814
	LIME	TONNE	719,550	20,782,559
	NATURAL GAS	CU.M.	1,963,000	67,948
	PETROLEUM	CU.M.	2,765	146,057
	SAND AND GRAVEL	TONNE	1,044,817	1,879,791
	STONE	TONNE	897,070	2,831,421
				42,827,590
COUNTY OF PERTH	CEMENT	TONNE	479,098	16,677,243
	SAND AND GRAVEL	TONNE	549,135	855,194
				17,532,437
COUNTY OF PETERBOROUGH	NEPHELINE SYENITE	TONNE	540,121	10,566,411
	SAND AND GRAVEL	TONNE	1,456,079	1,880,780
	STONE	TONNE	274,015	7,424,343
				19,871,534
COUNTY OF PRINCE EDWARD	CEMENT	TONNE	720,523	23,066,989
	SAND AND GRAVEL	TONNE	16,415	12,007
				23,078,996
COUNTY OF RENFREW	CALCIUM	TONNE	514	1,432,505
	CLAY IN TILE	TILE	1,168,558	243,441
	MAGNESIUM	TONNE	6,092	12,825,301
	SAND AND GRAVEL	TONNE	1,962,406	2,605,994
	STONE	TONNE	89,148	344,567
				17,451,808
COUNTY OF SIMCOE	CLAY IN OTHER PRODCT		N/A	4,192,260
	SAND AND GRAVEL	TONNE	2,261,899	3,287,747
	STONE	TONNE	1,659,240	3,497,050

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

FEBRUARY 17, 1982

GW R21AA6.DAT

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
COUNTY OF SIMCOE				10,977,057
COUNTY OF VICTORIA	SAND AND GRAVEL	TONNE	2,439,823	3,915,656
				3,915,656
COUNTY OF WELLINGTON	CLAY IN OTHER PRODCT		N/A	7,250
	CLAY IN TILE	TILE	4,850,000	897,250
	LIME	TONNE	87,786	3,494,771
	NATURAL GAS	CU.M.	1,184,000	40,995
	SAND AND GRAVEL	TONNE	2,110,129	3,109,172
	STONE	TONNE	48,782	108,364
				7,657,802
COUNTY OF YORK	CLAY IN BRICK	BRICK	42,673,000	4,765,198
				4,765,198
DISTRICT OF ALGOMA	IRON ORE	TONNE	1,865,170	25,734,477
	LIME	TONNE	77,423	2,709,131
	SAND AND GRAVEL	TONNE	1,417,675	1,945,361
	URANIUM	TONNE	3,766	186,438,898
				216,827,867
DISTRICT OF COCHRANE	ASBESTOS	TONNE	11,169	862,682
	CADMIUM	TONNE	602	3,481,480
	COPPER	TONNE	53,471	80,618,018
	GOLD	G	8,533,000	33,777,226
	LEAD	TONNE	3,686	1,840,913
	NICKEL	TONNE	2,828	13,866,890
	SAND AND GRAVEL	TONNE	816,474	792,257
	SILVER	KG	257,556	35,590,086
	STONE	TONNE	5,139	28,325
	SULPHUR	TONNE	57,737	1,521,093
	TIN	TONNE	172	1,168,823
	ZINC	TONNE	191,075	158,490,488
				332,038,281
DISTRICT OF KENORA	CADMIUM	TONNE	11	60,829
	COPPER	TONNE	19,821	29,884,744
	GOLD	G	7,960,000	31,504,869
	IRON ORE	TONNE	1,521,640	43,825,993

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF KENORA	LEAD	TONNE	2,298	1,147,595
	NICKEL	TONNE	5	26,417
	PLATINUM GROUP	KG	69	173,031
	SAND AND GRAVEL	TONNE	631,913	367,727
	SILVER	KG	120,297	16,623,036
	STONE	TONNE	901,484	3,671,478
	ZINC	TONNE	90,672	75,209,158
				202,494,877
DISTRICT OF MANITOULIN	QUARTZ	TONNE	417,221	4,349,633
	SAND AND GRAVEL	TONNE	366,445	294,349
				4,643,982
DISTRICT OF NIPISSING	COBALT	TONNE	2	21,381
	COPPER	TONNE	185	278,680
	IRON ORE	TONNE	1,063,736	29,401,181
	NICKEL	TONNE	99	486,690
	SAND AND GRAVEL	TONNE	1,342,875	2,119,123
				32,307,055
DISTRICT OF PARRY SOUND	SAND AND GRAVEL	TONNE	565,954	671,551
	STONE	TONNE	1,324	61,174
				732,725
DISTRICT OF RAINY RIVER	IRON ORE	TONNE	2,865,104	70,554,502
	PEAT	TONNE	745	53,600
	SAND AND GRAVEL	TONNE	244,133	202,139
	STONE	TONNE	41,630	71,238
				70,881,479
DISTRICT OF THUNDER BAY	BISMUTH	KG	44	710
	CADMIUM	TONNE	121	704,634
	COPPER	TONNE	26,726	40,296,161
	GEMSTONE	TONNE	303	105,857
	GOLD	G	107,000	424,473
	LEAD	TONNE	922	460,323
	NICKEL	TONNE	6,801	31,812,819
	SAND AND GRAVEL	TONNE	2,518,178	2,552,376
	SILVER	KG	54,043	7,467,904
	STONE	TONNE	624,546	916,120
	SULPHUR	TONNE	20,765	547,045
	ZINC	TONNE	35,447	29,402,287

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
DISTRICT OF THUNDER BAY				114,690,709
DISTRICT OF TIMISKAMING	ASBESTOS	TONNE	15,718	1,732,600
	BARITE	TONNE	1,361	127,500
	COPPER	TONNE	N/A	264
	GOLD	G	4,943,000	19,563,372
	IRON ORE	TONNE	1,196,619	39,313,937
	SAND AND GRAVEL	TONNE	627,039	707,808
	SILVER	KG	23,500	3,247,350
				64,692,831
DM OF MUSKOKA	SAND AND GRAVEL	TONNE	560,330	759,292
	STONE	TONNE	41,504	118,950
				878,242
PROVISIONAL COUNTY OF HALIBURTON	QUARTZ	TONNE	2,039	58,448
	SAND AND GRAVEL	TONNE	287,798	278,820
	STONE	TONNE	7,176	149,386
				486,654
RM OF DURHAM	CEMENT	TONNE	394,008	13,709,105
	SAND AND GRAVEL	TONNE	6,004,445	10,414,932
				24,124,037
RM OF HALDIMAND-NORFOLK	GYPSUM	TONNE	574,028	2,680,192
	NATURAL GAS	CU.M.	64,362,000	2,227,536
	SAND AND GRAVEL	TONNE	533,944	644,635
	STONE	TONNE	1,463,154	3,735,232
				9,287,595
RM OF HALTON	CLAY IN BRICK	BRICK	79,791,185	8,285,144
	CLAY IN OTHER PRODCT		N/A	199,452
	CLAY IN TILE	TILE	812,584	138,705
	SAND AND GRAVEL	TONNE	1,201,743	1,884,557
	STONE	TONNE	7,122,366	14,299,025
				24,806,883
RM OF HAMILTON-WENTWORTH	CLAY IN BRICK	BRICK	7,984,456	825,740

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF HAMILTON-WENTWORTH	CLAY IN OTHER PRODCT		N/A	442,013
	CLAY IN TILE	TILE	1,410,489	253,888
	SAND AND GRAVEL	TONNE	147,185	60,788
	STONE	TONNE	2,848,489	6,306,896
				7,889,325
RM OF NIAGARA	CLAY IN BRICK	BRICK	10,104,000	1,209,000
	NATURAL GAS	CU.M.	3,523,000	121,931
	PEAT	TONNE	5,703	595,105
	SAND AND GRAVEL	TONNE	1,301,674	3,362,106
	STONE	TONNE	4,623,496	11,045,171
				16,333,313
RM OF OTTAWA-CARLETON	CLAY IN BRICK	BRICK	34,648,000	3,216,133
	SAND AND GRAVEL	TONNE	2,455,331	3,982,976
	STONE	TONNE	2,438,119	5,147,286
				12,346,395
RM OF PEEL	CEMENT	TONNE	1,048,726	35,118,325
	CLAY IN BRICK	BRICK	196,286,708	19,286,704
	CLAY IN OTHER PRODCT		N/A	61,703
	CLAY IN SEWER PIPE	M	1,582,621	4,413,478
	SAND AND GRAVEL	TONNE	6,147,597	11,750,374
	STONE	TONNE	567	18,750
				70,649,334
RM OF SUDBURY	COBALT	TONNE	1,147	10,920,653
	COPPER	TONNE	159,995	240,299,469
	GOLD	G	1,459,000	5,773,472
	IRON ORE	TONNE	1,104,850	30,366,880
	NICKEL	TONNE	177,703	836,112,226
	PLATINUM GROUP	KG	12,896	49,970,081
	QUARTZ	TONNE	707,649	795,187
	SAND AND GRAVEL	TONNE	3,335,598	3,845,387
	SELENIUM	TONNE	49	1,924,100
	SILVER	KG	52,125	7,202,855
	SULPHUR	TONNE	285,695	7,524,840
	TALC	TONNE	1,121	30,900
	TELLURIUM	TONNE	7	157,945
				1,194,923,995
RM OF WATERLOO	CLAY IN TILE	TILE	3,018,500	558,413

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

MUNICIPALITY	MINERAL COMMODITY	UNIT OF VOLUME	VOLUME	$ VALUE
RM OF WATERLOO	SAND AND GRAVEL	TONNE	3,309,279	5,597,541
				6,155,954
RM OF YORK	SAND AND GRAVEL	TONNE	4,750,389	7,425,444
				7,425,444
UC OF LEEDS AND GRENVILLE	SAND AND GRAVEL	TONNE	801,578	966,207
	STONE	TONNE	417,321	984,103
				1,950,310
UC OF PRESCOTT AND RUSSELL	SAND AND GRAVEL	TONNE	188,138	288,389
	STONE	TONNE	451,378	866,211
				1,154,600
UC OF STORMONT, DUNDAS AND GLENGARRY	PEAT	TONNE	2,271	136,478
	SAND AND GRAVEL	TONNE	1,044,642	1,479,608
	STONE	TONNE	792,103	1,431,695
				3,047,781
GRAND TOTAL				2,709,272,462

NOTE: THE VALUE OF LIME + CEMENT EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME + CEMENT.

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FEBRUARY 17, 1982

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DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
GOLD QUARTZ MINES	1975	3554	41114757	3918017	17923582	62956356
	1976	3038	39125067	4194685	16560360	59880112
SIC 0520	1977	2548	37442581	4695659	17286782	59425022
	1978	2594	39999068	5616067	19057643	64672778
	1979	2560	44526912	5958844	15932634	66418390
	1980	3150	65072925	8338519	28334353	101745797
	1981	3438	77224128	9935628	29775867	116935623
URANIUM MINES	1975	1764	23416613	5197142	22687953	51301708
	1976	2449	36819071	6947025	23859796	67625892
SIC 0570	1977	2984	47312482	8608818	25805362	81726662
	1978	3600	62653681	13283089	56519412	132456182
	1979	4467	90840451	15558614	69113002	175512067
	1980	4848	114952403	24507283	73859193	213318879
	1981	5172	149537232	28442968	95264806	273245006
IRON MINES	1975	3739	52096680	24412737	56444960	132954377
	1976	3835	63483086	34371255	58984692	156839033
SIC 0580	1977	3767	67322044	38190477	66230864	171743385
	1978	3608	70607440	43306855	62236000	176150295
	1979	2987	69251674	39673006	58319450	167244130
	1980	2261	55644898	28850950	53660499	138156347
	1981	2168	58824347	33425204	63871261	156120812
COPPER-GOLD-SILVER M	1975	2887	38591463	8097736	34650848	81340047
	1976	3264	49395497	10580806	42800307	102776610
SIC 0591	1977	3254	55583246	13392816	45831494	114807556
	1978	3239	57073439	13591268	48150217	118814924
	1979	3474	68667757	16397188	60049807	145114752
	1980	3349	76025103	18109295	65753682	159888080
	1981	3427	89398614	22746702	81159359	193304675
NICKEL-COPPER MINES	1975	14695	193477647	17942231	125121381	336541259
	1976	14652	212566163	21014839	153267261	386848263
SIC 0592	1977	14452	223348319	27188326	134865341	385401986

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

GW R3.DAT February 13, 1983

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 2

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
NICKEL-COPPER MINES	1978	8255	146146243	11366964	89632873	247146080
	1979	7638	148614248	10751503	86178952	245544703
SIC 0592	1980	11704	235360059	17951963	165303098	418615120
	1981	11384	250899731	19452118	183757813	454109662
SILVER-COBALT MINES	1975	170	1793163	186283	441171	2420617
	1976	183	2259505	187643	528139	2975287
SIC 0593	1977	192	2760617	353834	773714	3888165
	1978	181	2792710	366990	952435	4112135
	1979	201	3318814	390823	664315	4373952
	1980	237	4618660	463043	1457634	6539337
	1981	229	4859572	550963	1496726	6907261
NON-METALLIC MINES	1975	1215	13448314	3134178	7898041	24480533
	1976	1173	16495337	4423167	12028611	32947115
SIC 0700	1977	1157	17506504	5044386	13952390	36503280
	1978	1170	20660687	5529152	13156967	39346806
	1979	1258	24309378	6282725	16866873	47458976
PEAT BOG	1979					
	1980	42	359879	20183	177819	557881
SIC 0720	1981	35	349218	51404	425045	825667
GYPSUM MINES	1979					
	1980	165	2304130	1026917	2392139	5723186
SIC 0730	1981	161	2895764	1184675	3311324	7391763
TALC & SOAPSTONE M	1979					
	1980	59	922730	560178	554776	2037684
SIC 0791	1981	59	1101120	731695	837784	2670599
FELDSPAR & QUARTZ M	1979					
	1980	331	5736345	1980102	2501398	10217845
SIC 0792	1981	330	7385222	2428676	4639761	14453659

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
SALT MINES	1979					
	1980	687	15947087	4360822	10518516	30826425
SIC 0793	1981	706	17361450	5204386	12640456	35206292
MISC. NON-METAL M	1979					
	1980	19	224610	64476	134505	423591
SIC 0799	1981	35	580087	62188	139815	782090
STONE QUARRIES	1975	1232	15642950	2991708	14035725	32670383
SIC 0830	1976	1086	15506756	3268347	12349679	31124782
	1977	1053	16035946	3687214	13241758	32964918
	1978	1005	16935014	4083156	14901393	35919563
	1979	933	18120900	4505341	16188621	38814862
GRANITE QUARRIES	1979					
	1980					
SIC 0831	1981	120	2260497	1108726	3602223	6971446
LIMESTONE QUARRIES	1979					
	1980	889	17892633	4547766	16420423	38860822
SIC 0832	1981	1049	22885316	8383081	23162102	54430499
MARBLE QUARRIES	1979					
	1980					
SIC 0833	1981					
SANDSTONE QUARRIES	1979					
	1980					
SIC 0834	1981					
SHALE QUARRIES	1979					
	1980					
SIC 0835	1981					

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 4

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
SAND AND GRAVEL PITS	1975	2057	26003940	5307640	13287017	44598597
	1976	1568	22755199	4775261	9416316	36946776
SIC 0870	1977	1290	20661642	4825767	8398713	33886122
	1978	1208	20275235	4763395	9378222	34416852
	1979	1073	20333063	5007099	9159102	34499264
	1980	1090	17464606	5472706	12707495	35644807
	1981	1159	20470349	8001036	14861079	43332464
SMELTING & REFINING	1975	10045	127690097	44398637	52884773	224973507
	1976	10436	148588443	58571074	58857519	266017036
SIC 2950	1977	10134	154873254	62281245	69636831	286791330
	1978	6390	120686758	60083794	55627738	236398290
	1979	6417	135149600	64152389	64743725	264045714
	1980	9481	189857863	100211050	115784620	405853533
	1981	9347	211664043	113556316	101296643	426517002
CLAY PRODUCTS MANUF	1975	1492	15693983	5530012	7684228	28908223
	1976	1370	17588852	7338879	9037374	33965105
SIC 3510	1977	1441	19996563	8755522	10200648	38952733
	1978	1165	16707757	7860493	9341332	33909582
	1979	1316	21076963	9505634	10378009	40960606
	1980	1158	20106074	9733067	8071897	38911038
	1981	972	18991946	12238968	9447412	40678326
CEMENT MANUFACTURERS	1975	1124	15959811	26304159	19816764	62080734
	1976	1173	18394686	33240424	23153700	74788810
SIC 3520	1977	1161	20336650	36963645	20447647	77747942
	1978	567	10517344	19574713	10212522	40304579
	1979	1205	25281392	51614609	34886933	111782934
	1980	1248	29633770	46701715	33161538	109497023
	1981	1244	34895941	51386576	33436041	119718558
LIME MANUFACTURERS	1975	355	3887679	7327677	2812395	14027751
	1976	358	4572103	10303508	3185718	18061329
SIC 3580	1977	349	5255453	10275334	3279054	18809841

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES
AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT,
THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES , FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES	FUEL + ELECTRICITY	PROCESS SUPPLIES	TOTAL COST
			$	$	$	$
LIME MANUFACTURERS	1978	252	4087766	9592629	2892702	16573097
	1979	331	5980710	15739071	4946195	26665976
SIC 3580	1980	534	10920895	23989308	9359973	44270176
	1981	487	11081048	30818658	10363856	52263562

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES
AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT.
THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES , FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE

DIRECT COSTS OF THE MINERAL INDUSTRY IN ONTARIO REPORT 3 PAGE 8

STANDARD INDUSTRIAL CLASS	YEAR	TOTAL EMPLOYMENT	WAGES + SALARIES $	FUEL + ELECTRICITY $	PROCESS SUPPLIES $	TOTAL COST $
GRAND TOTAL FOR ALL SIC'S						
	1975	44329	568817097	154748157	375688838	1099254092
	1976	44585	647549765	199216913	424029472	1270796150
	1977	43782	688435301	224263043	429950598	1342648942
	1978	33234	589143142	199018565	392059456	1180221163
	1979	33860	675471862	245536846	447427618	1368436326
	1980	41252	863044670	296889343	601153558	1761087571
	1981	*** 41522	982665625	349709968	673489373	2005864966

GW R3.DAT *** 43700 INCLUDING 2200 ESTIMATE OF SMALL S&G&STONE INDUSTRIES February 13, 1983

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FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GOLD QUARTZ MINES	1975	82	3603	308170	812940	729570	2227511	1534946	696170	305384
	1976	259	4325	257549	621455	834603	2137707	181493	664924	276968
SIC 0520	1977	49	5869	253903	2254	917091	1971525	779049	590450	269594
	1978	46	6483	242465	11847	1228967	2931091	0	1011809	277188
	1979	8	6744	265151	19	1494741	2569546	0	1244251	280736
	1980	348	6310	433434	24017	2491642	2483732	200	1525090	306607
	1981	132	7037	361276	56990	2452163	2485773	0	1433321	293567
URANIUM MINES	1975	19400	0	631779	54753	1738811	1135108	12266041	7969827	204452
	1976	16097	0	869980	33159	2553197	2374745	16390522	14804983	234540
SIC 0570	1977	11987	0	1045650	42046	4086075	2571382	21015110	15916597	259734
	1978	13199	0	1118138	877249	5298136	1578038	24789806	24611831	411190
	1979	14777	0	999653	886347	6066521	1670133	27295875	32831898	474399
	1980	14700	0	1102983	618379	6721397	1643050	41266721	31398016	597760
	1981	359	0	1167631	503610	8490485	1381400	54915309	25490071	555460
IRON MINES	1975	153979	217396	2225342	85666	25784336	5379647	31916311	540439	1119210
	1976	230118	244348	2355524	153362	30312714	6164220	30902842	1005890	1203071
SIC 0580	1977	113049	238487	2377550	4909	29944394	4854046	29253189	1010182	1170493
	1978	119306	245614	2323833	3477	28352854	5317329	27363661	877963	1166671
	1979	121315	211794	1827483	2273	20667007	5022225	13801975	1093048	997556
	1980	86988	79753	971396	0	17091371	3432648	10649839	673816	700463
	1981	93132	76439	1276170	0	17916869	3600721	10371582	517860	698899
COPPER-GOLD-SILVER M	1975	5	17492	1587840	503765	10934924	5165122	1927033	12170878	444135
	1976	3	17807	1899183	5728	11421810	5279819	3086181	13414397	474162
SIC 0591	1977	0	17998	1585448	666297	10381673	4857410	6440432	10519797	495123
	1978	0	17742	1245187	635534	7136988	5667046	4861993	10943234	488013
	1979	0	25556	1263577	4501	7802991	5120607	4811045	5254384	570931
	1980	0	22481	845174	0	8644800	6150643	5394584	4323955	569121
	1981	2	22442	1348668	905000	9863852	4794634	4328579	8236959	587247

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

GW R4A.DAT

February 14, 1983

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

REPORT 4A PAGE 2

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
NICKEL-COPPER MINES	1975	0	39493	1260262	3273	10922572	10153646	12702348	2512855	1364673
	1976	0	41040	1296331	3068	11204270	7977287	12332614	5234877	1294893
SIC 0592	1977	0	37064	1294503	1432	10513033	7824534	11792502	7017894	1274547
	1978	0	38242	1002549	818	5672820	6702345	6485074	6853053	326015
	1979	0	35206	877641	409	4454441	3363388	5711803	3351523	316887
	1980	0	37916	1028872	1955	8258089	3122718	10365049	5813363	476746
	1981	0	34755	941134	2432	7219240	2705335	7117239	6339763	482063
SILVER-COBALT MINES	1975	0	0	109656	6478	5537	335128	0	0	6663
	1976	0	0	132063	85066	18970	301360	0	0	6828
SIC 0593	1977	0	0	135568	92667	17929	275415	0	600	13719
	1978	0	0	106851	7878	6891	536174	0	0	11980
	1979	0	0	106347	9774	6987	533447	0	0	12809
	1980	0	0	130032	9173	9602	555037	0	0	12664
	1981	0	0	121794	1215	22675	383912	0	0	13343
ASBESTOS MINES	1975	0	82	959202	0	699415	664783	560769	15547	15761
	1976	0	82	988792	0	427855	0	588809	0	13555
SIC 0710	1977	0	83	6555	0	29445	0	0	0	3231
PEAT BOG	1975	0	571	94926	5082	8978	0	0	0	532
	1976	0	285	82402	3673	4546	0	0	0	324
SIC 0720	1977	0	0	77069	1427	8360	3573	500	0	171
	1978	0	0	59381	2695	9319	900	2373	0	146
	1979	0	0	86194	2005	5455	900	705	0	135
	1980	0	0	69265	5136	3196	72	72	0	200
	1981	0	182	78070	0	0	0	0	0	293

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GYPSUM MINES	1975	1238	0	0	0	183584	0	0	0	117745
	1976	0	0	0	0	124503	0	0	0	13222
SIC 0730	1977	0	0	0	0	166559	0	0	0	15754
	1978	0	0	0	0	194345	0	0	0	16056
	1979	0	0	0	0	201451	0	0	0	20875
	1980	0	6777	0	0	176773	45163	224274	0	18548
	1981	0	5689	0	0	193017	413	0	68944	19204
TALC & SOAPSTONE M	1975	0	0	21589	48970	4123	0	0	0	2110
	1976	0	0	15443	42696	3936	0	0	0	2009
SIC 0791	1977	0	0	19011	53330	4127	0	0	0	2104
	1978	0	282	55030	66677	44205	0	0	0	2586
	1979	0	1674	11852	164796	55258	0	0	0	3780
	1980	0	4116	9135	111495	61645	0	0	0	7913
	1981	0	3705	8707	105918	39135	0	0	940	7532
FELDSPAR & QUARTZ M	1975	0	1254	70118	818	2120396	1004416	0	0	31965
	1976	0	1398	113097	0	932725	2466998	0	75437	38958
SIC 0792	1977	0	1281	89171	0	934216	2471830	0	67527	39540
	1978	0	7033	157330	0	1188411	3219499	0	82788	39275
	1979	0	1624	183780	0	1236937	3240889	0	52221	56930
	1980	0	1745	214864	0	1210380	2603590	0	53066	48155
	1981	0	1700	232040	0	1229497	2350167	0	45088	50881
SALT MINES	1975	0	7360	50397	36627	1341178	159113	0	0	30239
	1976	0	19570	92053	44869	1915354	390395	0	0	44321
SIC 0793	1977	0	29486	99327	56112	2453111	113634	0	0	43061
	1978	0	29701	85784	55400	1975998	156006	0	0	45059
	1979	0	30509	91740	54289	2271227	211607	0	18403	44306
	1980	0	32662	61439	55063	2047602	190746	0	115977	44839
	1981	0	33136	24511	155062	1733744	15375	0	117108	42830

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
MISC. NON-METAL M	1976	0	0	18602	0	9096	0	0	0	227
	1977	0	0	10696	0	45460	0	0	0	500
SIC 0799	1979	0	90	0	0	27599	0	0	0	2420
	1980	0	69	7573	0	14071	0	0	1494	1548
	1981	0	65	0	0	40178	0	0	0	1400
STONE QUARRIES	1975	0	283	2947657	214839	11615405	382062	1873839	110419	57845
	1976	0	1750	3417023	102118	11446336	658314	2006016	103014	62400
SIC 0830	1977	0	1074	2539241	640703	11533671	511894	2174208	68073	61366
	1978	0	464	2428325	81484	10868542	1731851	2200857	106455	64702
	1979	0	415	2061456	2886994	8361060	1679658	2229593	176988	58089
GRANITE QUARRIES	1979									
	1980									
SIC 0831	1981	0	544	21302	0	277929	3626906	0	33691	8134
LIMESTONE QUARRIES	1979									
	1980	0	1251	1139195	555685	9883884	1567897	1293582	39128	47949
SIC 0832	1981	0	3463	2702988	533693	16124411	2377718	439004	156209	56460
MARBLE QUARRIES	1979									
	1980									
SIC 0833	1981									
SANDSTONE QUARRIES	1979									
	1980									
SIC 0834	1981									

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
SHALE QUARRIES	1979									
	1980									
SIC 0835	1981									
SAND AND GRAVEL PITS	1975	0	1006	13685826	861552	20153844	472584	10433	82293	72161
	1976	0	1415	10360380	312707	18361171	371047	137673	66377	35521
SIC 0870	1977	0	1091	8464165	214898	16530219	188912	96272	102287	36487
	1978	0	137	6564890	295632	17281743	350312	72246	140919	34187
	1979	0	152	5347529	242343	17073364	146402	66555	141015	82021
	1980	0	749	4090198	1077040	12864219	2589880	0	40131	17549
	1981	0	4013	4119412	595995	18187036	1568358	442000	65927	21906
SMELTING & REFINING	1975	753173	346227	1025607	813	1614998	12963616	166950154	2240167	1062418
	1976	40765	372692	1100253	1227	1665587	13097658	262846396	713531	1681112
SIC 2950	1977	41145	354010	977232	0	567347	7903586	259328126	965380	1363615
	1978	28373	258723	740930	0	514094	4622346	127950722	663915	1761341
	1979	7462	232871	664984	37060	417749	3886316	109618041	386054	1959702
	1980	0	331567	1161137	83752	568999	11808552	165313015	646693	3150740
	1981	0	320533	1152474	42626	598413	7744488	129516708	686844	2421553
CLAY PRODUCTS MANUF.	1975	0	106360	1273655	41342	1080323	5684967	0	253494	63476
	1976	0	107137	1116906	57835	1056188	5105886	0	173478	64693
SIC 3510	1977	0	101870	872876	49170	1324326	4006455	0	344861	68456
	1978	0	79786	746467	14088	1166017	3858198	0	563742	57115
	1979	0	9660	509471	273866	2905329	2259493	0	476753	66145
	1980	0	82104	958907	1697272	4114504	7571911	0	1234009	45238
	1981	0	75779	431010	36075	1097154	2812006	0	433716	62224

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES
AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT,
THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
CEMENT MANUFACTURERS	1975	134073	256657	296923	13151	2155033	1064071	157555546	105846	511719
	1976	264404	251099	330382	10751	2447223	1882835	106692182	168123	591262
SIC 3520	1977	316201	157355	383385	204915	2964778	1535146	109751878	89871	573158
	1978	345101	83877	210702	6105	2683143	842535	78059548	92581	290798
	1979	484797	144928	363114	5392	4128536	2168376	115503804	125131	676344
	1980	298661	125886	333680	169563	3481383	1434284	76215934	84732	566059
	1981	426444	101104	333108	4857	4072315	1669624	48059654	78158	574714
LIME MANUFACTURERS	1975	24625	133215	422163	2354	912409	598165	6482456	8692	55288
	1976	19323	127013	220803	1877	963507	5080364	28236192	0	44970
SIC 3580	1977	18690	39068	205233	1909	1109277	6549383	77815873	0	50505
	1978	17183	12713	218616	6346	635134	6802528	76559274	0	46929
	1979	22377	133422	217067	2591	985270	2955027	26786835	0	48171
	1980	44621	128949	148687	3410	784078	109613	53105661	0	68057
	1981	69532	165462	222455	0	2089432	114518	29243127	32100	93136

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT, THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		TONNE	1000 M3	LITRE	LITRE	LITRE	LITRE	LITRE	LITRE	1000 KWH
GRAND TOTAL FOR ALL SIC'S	1975	1086575	1130999	26971112	2692423	92005436	47389939	393779876	26706627	5465776
	1976	570969	1189961	24666766	1479591	95703591	53288635	463400920	36425031	6083036
	1977	501121	984736	20436583	2032069	93531091	45638725	518447139	36693519	5741158
	1978	523208	780797	17306478	2065230	84257607	44316198	348345554	45948290	5039251
	1979	650736	834645	14877039	4572659	78161923	34828014	305826231	45151669	5672236
	1980	445318	862335	12705971	4411940	78427635	45309536	363828931	45949470	6680156
	1981	589601	856048	14542750	2943473	91647545	37631348	284433202	43736699	5991146

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COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
GOLD QUARTZ MINES	1980	30864	675818	89053	5600	362920	392542	150	220730	6560592
	1981	13138	867668	137728	18736	760752	545868	0	257276	7334462
URANIUM MINES	1980	1181351	0	272736	102077	1187657	262777	5632382	3816262	12052041
	1981	31053	0	387244	131829	2062709	324236	8780933	3853067	12871897
IRON MINES	1980	2416196	7118340	324402	0	3131380	526570	1205997	99795	14028270
	1981	3040434	7975354	391195	0	4290066	707622	1421178	104168	15495187
COPPER-GOLD-SILVER M	1980	0	2189074	300371	0	1677475	912453	719636	673822	11636464
	1981	267	2613131	429313	217000	2373266	1073258	865054	1590642	13584771
NICKEL-COPPER MINES	1980	0	3421152	261233	345	1461557	824770	1308320	807716	9835470
	1981	0	4091454	321425	605	1766347	758462	1212209	1103909	10126907
SILVER-COBALT MINES	1980	0	0	38375	1649	2623	97204	0	0	323192
	1981	0	0	41176	278	8352	91908	0	0	396485
PEAT BOG	1980	0	0	13943	922	414	68	73	0	4763
	1981	0	20000	23421	0	0	0	0	0	7983
GYPSUM MINES	1980	0	542133	0	0	32116	6801	27269	0	418598
	1981	0	625788	0	0	47504	95	0	11031	500257
TALC & SOAPSTONE M	1980	0	329300	2165	19742	15846	0	0	0	193125
	1981	0	432048	2565	23723	13205	0	0	216	259938

NOTE: THE 1979 AND PREVIOUS YEARS STATISTICS MAY VARY FROM REPORT TO REPORT DUE TO VARIOUS INFORMATION SOURCES AND AGGREGATIONS USED. THE STATISTICS FROM THE 1980 CENSUS ARE FROM A COMMON SOURCE AND THE AGGREGATION METHODS ARE COMPUTER PROGRAMMED.

GW R4B.DAT February 14, 1983

COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
FELDSPAR & QUARTZ M	1980	0	154403	56803	0	229557	406807	0	8616	1123916
	1981	0	193851	77315	0	325442	499772	0	9132	1323164
SALT MINES	1980	0	2639606	14313	8483	471170	30888	0	15985	1180377
	1981	0	3363225	7844	32339	502148	1823	0	19599	1277408
MISC. NON-METAL M	1980	0	8125	1944	0	2815	0	0	278	51314
	1981	0	7143	0	0	10047	0	0	0	44998
GRANITE QUARRIES	1980									
	1981	0	74654	5306	0	69120	721831	0	5971	231844
LIMESTONE QUARRIES	1980	0	125802	261014	88603	1770244	272745	122017	24789	1607252
	1981	0	394707	834789	120661	3995721	546752	122921	31640	2335890
MARBLE QUARRIES	1980									
	1981									
SANDSTONE QUARRIES	1980									
	1981									
SHALE QUARRIES	1980									
	1981									
SAND AND GRAVEL PITS	1980	0	69492	1129014	192512	2798233	495029	0	13585	774841
	1981	0	250248	1238812	141678	4966097	349698	83980	15004	976774

NOTE: 1979 & PREVIOUS YEARS SAND&GRAVEL & STONE STATS ARE ESTIMATES OF S&G & S INDUSTRIES
AND ARE NOT RELIABLE. 1980 AND LATER STATS INCLUDE ONLY LARGE OPERATIONS REPORTING EMPLOYMENT,
THE LARGE OPERATIONS IN 1981 PRODUCED 41% OF S&G AND 70% OF LIMESTONE.
OTHER REPORTS IN THIS SERIES, FOR EXAMPLE R11, INCLUDE ALL KNOWN OPERATIONS REGARDLESS OF SIZE.

COST OF FUEL AND ELECTRICITY USED IN THE MINERAL INDUSTRY OF ONTARIO

STANDARD INDUSTRIAL CLASS	YEAR	COAL AND COKE	NATURAL GAS	MOTOR GASOLINE EX AVIATN	KEROSENE STOVE OIL NO.1	DIESEL OIL	LIGHT FUEL OIL NO.2 + 3	HEAVY FUEL OIL NO.4,5+6	LIQUIFIED PETROLIUM GASES	ELECTRICITY PURCHASED INC SERVICE
		$	$	$	$	$	$	$	$	$
SMELTING & REFINING	1980	0	29374691	276761	24105	85851	1220843	18588608	82504	50463576
	1981	0	36547523	374403	15915	186677	1429667	19502903	114596	55160549
CLAY PRODUCTS MANUF.	1980	0	7068025	59460	60195	223653	471174	0	268645	1371625
	1981	0	9138303	139827	7027	308630	592833	0	89331	1943517
CEMENT MANUFACTURERS	1980	12241928	10231159	77191	24590	618020	217106	7522686	15098	12343839
	1981	18688449	10848681	100307	1283	939004	374858	6333950	18883	14033355
LIME MANUFACTURERS	1980	2348175	11085256	31249	597	138011	17572	5399401	0	1614332
	1981	4715518	19235077	64057	0	484469	25051	3920046	5301	2368367
GRAND TOTAL FOR ALL SIC'S	1980	18218514	75032376	3210027	529420	14209542	6155349	40526539	6047825	125583587
	1981	26488859	96678855	4576727	711074	23109556	8043734	42243174	7229766	140273753

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EXPLORATION,DEVELOPMENT AND PRODUCTION WORK IN THE MINERAL INDUSTRY IN ONTARIO

REPORT 5 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
GOLD QUARTZ MINES	1968	131887				8290	20311
	1969	155544				6677	18933
SIC 0520	1970	130824				6118	10754
	1971	86657				4389	8149
	1972	62659				4867	9172
	1973	97132				4635	11189
	1974	114739				5530	12732
	1975	101001				5244	12183
	1976	62966				4874	8187
	1977	48599				4363	7437
	1978	61193				5367	10981
	1979	92597				5890	11779
	1980	72605	1732927	0	65	4946	11424
	1981	106203	2082729	0	122	6705	16026
URANIUM MINES	1968	14367				7259	11410
	1969	19442				10117	13913
SIC 0570	1970	10567				11266	13118
	1971	14708				11017	9290
	1972	15292				8859	8952
	1973	14679				8633	6351
	1974	12664				7444	6958
	1975	15472				6854	7149
	1976	26687				8209	14738
	1977	45172				10556	27731
	1978	55294				9438	27801
	1979	58061				10832	36944
	1980	55385	5850397	0	6780	8970	36490
	1981	57334	4099021	0	5691	1844	36568
IRON MINES	1968	11967				1137	4371
	1969	8456				793	3658
SIC 0580	1970	7622				641	4581
	1971	4306				710	5537
	1972	4830				958	6226
	1973	7159				897	6869

NOTE: EXPLORATION DIAMOND DRILLING INCLUDE "ON PROPERTY" EXPLORATION, TESTING AND ORE OUTLINE DRILLING.

NOTE: IN 1980 AND LATER YEARS THE DRILLING STATISTICS ARE REPORTED IN TWO CATEGORIES(EXPLORATION & ORE PRODUCTION) BUT IN PREVIOUS YEARS ONLY EXPLORATION DIAMOND DRILLING IS REPORTED.

GW R5.DAT February 14, 1983

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
IRON MINES	1974	7041				1561	5432
	1975	4775				1148	4511
SIC 0580	1976	2319				731	5379
	1977	4820				842	3627
	1978	16711				1175	3748
	1979	10503				1269	4567
	1980	0	430086	3635	2598	799	31
	1981	11208	433150	4689	2743	542	0
COPPER-GOLD-SILVER M	1968	138551				10364	20912
	1969	136170				6935	16825
SIC 0591	1970	211184				8386	22488
	1971	131312				7656	18181
	1972	109959				5632	18919
	1973	87962				9334	19751
	1974	115952				5994	22200
	1975	96772				8716	20926
	1976	105986				8214	23896
	1977	90421				5265	17125
	1978	28338				4685	12098
	1979	51559				4904	15660
	1980	74535	1287495	1	1701	7066	15559
	1981	74159	1632800	94	2238	7326	20241
NICKEL-COPPER MINES	1968	321818				23535	75240
	1969	267007				16798	60644
SIC 0592	1970	339674				25811	89654
	1971	460929				23482	87658
	1972	334308				18007	55596
	1973	315339				14408	52593
	1974	245879				14305	48719
	1975	211622				14786	50246
	1976	208067				13109	45361
	1977	171998				11886	45362

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
NICKEL-COPPER MINES	1978	94222				5144	17774
	1979	94215				4466	17576
SIC 0592	1980	140651	10157142	582	5953	7066	29499
	1981	139186	9553242	0	6913	4316	27565
SILVER-COBALT MINES	1968	65116				1532	6600
	1969	52673				1673	4325
SIC 0593	1970	49964				894	3075
	1971	27144				779	1764
	1972	20714				585	1417
	1973	20797				155	873
	1974	19387				459	1650
	1975	19473				373	615
	1976	13049				65	1340
	1977	21729				35	222
	1978	22584				221	468
	1979	18072				33	275
	1980	11088	207360	0	0	293	1328
	1981	21329	172528	0	0	257	1376
PEAT BOG	1979						
	1980						
SIC 0720	1981						
GYPSUM MINES	1979						
	1980	430	83045	0	0	0	0
SIC 0730	1981	0	113891	0	0	0	0
TALC & SOAPSTONE M	1979						
	1980	0	0	0	0	16	31
SIC 0791	1981	1327	0	0	40	0	0

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
FELDSPAR & QUARTZ M	1979						
	1980	798	76723	0	0	0	0
SIC 0792	1981	1008	98070	0	0	0	0
SALT MINES	1979						
	1980	0	4	0	0	0	0
SIC 0793	1981						
MISC. NON-METAL M	1979						
	1980						
SIC 0799	1981	355	732	0	457	0	0

STANDARD INDUSTRIAL CLASS	YEAR	EXPLORATION DIAMOND DRILLING	DRILLING FOR ORE & WASTE ROCK	SHAFTS	DECLINES AND ADITS	RAISES AND WINZES	DRIFTS AND CROSSCUTS
		METRE	METRE	METRE	METRE	METRE	METRE
GRAND TOTAL FOR ALL SIC'S							
	1968	683706				52117	138844
	1969	639292				42993	118298
	1970	749835				53116	143670
	1971	725056				48033	130579
	1972	547762				38908	100282
	1973	543068				38062	97626
	1974	515662				35293	97691
	1975	449115				37121	95630
	1976	419074				35202	98901
	1977	382739				32947	101504
	1978	278342				26030	72870
	1979	325007				27394	86801
	1980	355492	19825179	4218	17097	29156	94362
	1981	412109	18186163	4783	18204	20990	101776

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SMELTING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN ONTARIO	ONT. MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
CADMIUM	1975	TONNE	666	426	64.0	116	17.4	124	18.6
	1976		734	503	68.5	120	16.3	111	15.1
	1977		603	359	59.5	183	30.3	61	10.1
	1978		518	317	61.2	130	25.1	71	13.7
	1979		673	493	73.3	151	22.4	29	4.3
	1980		779	467	59.9	225	28.9	87	11.2
	1981		609	483	79.3	91	14.9	35	5.7
CALCIUM	1975	TONNE	428	428	100.0	0	.0	0	.0
	1976		514	514	100.0	0	.0	0	.0
	1977		491	491	100.0	0	.0	0	.0
	1978		575	575	100.0	0	.0	0	.0
	1979		456	456	100.0	0	.0	0	.0
	1980		531	531	100.0	0	.0	0	.0
	1981		469	469	100.0	0	.0	0	.0
COBALT	1975	TONNE	1089	1088	99.9	0	.0	0	.0
	1976		1149	1149	100.0	0	.0	0	.0
	1977		1263	1263	100.0	0	.0	0	.0
	1978		907	907	100.0	0	.0	0	.0
	1979		1278	1278	100.0	0	.0	0	.0
	1980		1686	1686	100.0	0	.0	0	.0
	1981		1831	1831	100.0	0	.0	0	.0
COPPER	1975	TONNE	257778	163019	63.2	93847	36.4	912	.4
	1976		260198	165255	63.5	93825	36.1	1118	.4
	1977		279936	165041	59.0	113673	40.6	1223	.4
	1978		197093	99229	50.3	96929	49.2	935	.5
	1979		192946	83805	43.4	108833	56.4	308	.2
	1980		245024	146582	59.8	97900	40.0	542	.2
	1981		226385	136290	60.2	89196	39.4	899	.4
GOLD	1975	G	23488000	21770000	92.7	815000	3.5	903000	3.8
	1976		23002000	20230000	87.9	1841000	8.0	931000	4.0
	1977		22989000	19845000	86.3	2311000	10.1	833000	3.6
	1978		21805000	18483000	84.8	2231000	10.2	1091000	5.0
	1979		19173000	16685000	87.0	2041000	10.6	447000	2.3

SMELTING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN ONTARIO	ONT. MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
GOLD	1980		18498000	15537000	84.0	1780000	9.6	1180000	6.4
	1981		18308000	15527000	84.8	1488000	8.1	1293000	7.1
IRON ORE	1975	TONNE	9503813	6245485	65.7	0	.0	3258328	34.3
	1976		10080772	6919728	68.6	0	.0	3161044	31.4
	1977		10319657	7116667	69.0	0	.0	3202990	31.0
	1978		9600001	7163884	74.6	0	.0	2436117	25.4
	1979		7874938	6554647	83.2	0	.0	1320291	16.8
	1980		6569132	5449228	83.0	0	.0	1119904	17.0
	1981		5394620	5365708	99.5	0	.0	28912	.5
LEAD	1975	TONNE	6192	168	2.7	2180	35.2	3844	62.1
	1976		6906	190	2.8	2353	34.1	4372	63.3
	1977		8138	441	5.4	1255	15.4	6443	79.2
	1978		7060	262	3.7	1898	26.9	4900	69.4
	1979		6969	485	7.0	5271	75.6	1213	17.4
	1980		8960	392	4.4	5535	61.8	3032	33.8
	1981		3384	1267	37.4	132	3.9	1984	58.6
MAGNESIUM	1975	TONNE	3826	3826	100.0	0	.0	0	.0
	1976		6092	6092	100.0	0	.0	0	.0
	1977		7633	7633	100.0	0	.0	0	.0
	1978		8311	8311	100.0	0	.0	0	.0
	1979		9015	9015	100.0	0	.0	0	.0
	1980		9252	9252	100.0	0	.0	0	.0
	1981		8548	8548	100.0	0	.0	0	.0
NICKEL	1975	TONNE	179095	179095	100.0	0	.0	0	.0
	1976		187436	187436	100.0	0	.0	0	.0
	1977		179995	179995	100.0	0	.0	0	.0
	1978		93477	93477	100.0	0	.0	0	.0
	1979		88445	88445	100.0	0	.0	0	.0
	1980		145607	145607	100.0	0	.0	0	.0
	1981		130269	130269	100.0	0	.0	0	.0
PLATINUM GROUP	1975	KG	12417	12417	100.0	0	.0	0	.0

SMELTING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN ONTARIO	ONT. MINE PRODUCTION SMELTED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES	ONT. MINE PRODUCTION SMELTED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA	ONT. MINE PRODUCTION SMELTED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
PLATINUM GROUP	1976		12965	12896	99.5	68	.5	0	.0
	1977		14475	14231	98.3	243	1.7	0	.0
	1978		10888	10509	96.5	379	3.5	0	.0
	1979		6157	5762	93.6	395	6.4	0	.0
	1980		12776	12394	97.0	382	3.0	0	.0
	1981		11905	11737	98.6	168	1.4	0	.0
SILVER	1975	KG	463695	49240	10.6	328765	70.9	85690	18.5
	1976		507521	71491	14.1	356494	70.2	79535	15.7
	1977		524319	103337	19.7	349548	66.7	71434	13.6
	1978		444361	77029	17.3	319324	71.9	48008	10.8
	1979		411940	55683	13.5	331308	80.4	24949	6.1
	1980		461027	79997	17.4	324453	70.4	56577	12.3
	1981		328779	72156	21.9	196699	59.8	59924	18.2
ZINC	1975	TONNE	335852	84361	25.1	36573	10.9	214918	64.0
	1976		317194	97908	30.9	28803	9.1	190482	60.1
	1977		295420	82602	28.0	38034	12.9	174784	59.2
	1978		277461	72840	26.3	32993	11.9	171628	61.9
	1979		289356	105763	36.6	85896	29.7	97697	33.8
	1980		253329	101483	40.1	78959	31.2	72887	28.8
	1981		246031	109184	44.4	74758	30.4	62089	25.2

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REFINING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
CADMIUM	1975	TONNE	666	426	64.0	116	17.4	124	18.6
	1976		734	503	68.5	120	16.3	111	15.1
	1977		603	359	59.5	183	30.3	61	10.1
	1978		518	317	61.2	130	25.1	71	13.7
	1979		673	493	73.3	151	22.4	29	4.3
	1980		779	467	59.9	225	28.9	87	11.2
	1981		609	483	79.3	91	14.9	35	5.7
CALCIUM	1975	TONNE	428	428	100.0	0	.0	0	.0
	1976		514	514	100.0	0	.0	0	.0
	1977		491	491	100.0	0	.0	0	.0
	1978		575	575	100.0	0	.0	0	.0
	1979		456	456	100.0	0	.0	0	.0
	1980		531	531	100.0	0	.0	0	.0
	1981		469	469	100.0	0	.0	0	.0
COBALT	1975	TONNE	1089	353	32.4	0	.0	735	67.5
	1976		1149	427	37.2	0	.0	722	62.8
	1977		1263	540	42.8	0	.0	723	57.2
	1978		907	428	47.2	0	.0	479	52.8
	1979		1278	426	33.3	0	.0	0	.0
	1980		1686	781	46.3	0	.0	905	53.7
	1981		1831	785	42.9	0	.0	1046	57.1
COPPER	1975	TONNE	257778	145559	56.5	93764	36.4	18455	7.2
	1976		260198	147146	56.6	93770	36.0	19282	7.4
	1977		279936	147234	52.6	113667	40.6	19035	6.8
	1978		197093	85252	43.3	96929	49.2	14912	7.6
	1979		192946	63981	33.2	108833	56.4	20132	10.4
	1980		245024	122299	49.9	97900	40.0	24825	10.1
	1981		226385	114037	50.4	89196	39.4	23152	10.2
GOLD	1975	G	23488000	21770000	92.7	815000	3.5	903000	3.8
	1976		23002000	20230000	87.9	1841000	8.0	931000	4.0
	1977		22989000	19845000	86.3	2311000	10.1	833000	3.6
	1978		21805000	18483000	84.8	2231000	10.2	1091000	5.0
	1979		19173000	16685000	87.0	2041000	10.6	447000	2.3

REFINING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
GOLD	1980		18498000	15537000	84.0	1780000	9.6	1180000	6.4
	1981		18308000	15527000	84.8	1488000	8.1	1293000	7.1
IRON ORE	1975	TONNE	9503813	6245485	65.7	0	.0	3258328	34.3
	1976		10080772	6919728	68.6	0	.0	3161044	31.4
	1977		10319657	7116667	69.0	0	.0	3202990	31.0
	1978		9600001	7163884	74.6	0	.0	2436117	25.4
	1979		7874938	6554647	83.2	0	.0	1320291	16.8
	1980		6569132	5449228	83.0	0	.0	1119904	17.0
	1981		5394620	5365708	99.5	0	.0	28912	.5
LEAD	1975	TONNE	6192	0	.0	2180	35.2	4012	64.8
	1976		6906	0	.0	2343	33.9	4562	66.1
	1977		8138	0	.0	1255	15.4	6884	84.6
	1978		7060	0	.0	1898	26.9	5162	73.1
	1979		6969	0	.0	5271	75.6	1698	24.4
	1980		8960	0	.0	5535	61.8	3425	38.2
	1981		3384	0	.0	132	3.9	3251	96.1
MAGNESIUM	1975	TONNE	3826	3826	100.0	0	.0	0	.0
	1976		6092	6092	100.0	0	.0	0	.0
	1977		7633	7633	100.0	0	.0	0	.0
	1978		8311	8311	100.0	0	.0	0	.0
	1979		9015	9015	100.0	0	.0	0	.0
	1980		9252	9252	100.0	0	.0	0	.0
	1981		8548	8548	100.0	0	.0	0	.0
NICKEL	1975	TONNE	179095	105632	59.0	0	.0	77888	43.5
	1976		187436	116307	62.1	0	.0	75592	40.3
	1977		179995	109169	60.7	0	.0	75537	42.0
	1978		93477	59406	63.6	191	.2	37866	40.5
	1979		88445	47630	53.9	251	.3	41731	47.2
	1980		145607	96814	66.5	3718	2.6	47643	32.7
	1981		130269	77389	59.4	1920	1.5	52879	40.6
PLATINUM GROUP	1975	KG	12417	0	.0	0	.0	12417	100.0

REFINING OF METALLIC MINERALS MINED IN ONTARIO

MINERAL COMMODITY	YEAR	UNIT OF VOLUME	ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN ONTARIO	ONT. MINE PRODUCTION REFINED IN ONTARIO AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES	ONT. MINE PRODUCTION REFINED IN OTHER PROVINCES AS A % OF ONT. MINE PRODUCTION	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA	ONT. MINE PRODUCTION REFINED OUTSIDE OF CANADA AS A % OF ONT. MINE PRODUCTION
					%		%		%
PLATINUM GROUP	1976		12965	0	.0	0	.0	12965	100.0
	1977		14475	0	.0	0	.0	14475	100.0
	1978		10888	0	.0	0	.0	10888	100.0
	1979		6157	0	.0	0	.0	6157	100.0
	1980		12776	0	.0	0	.0	12776	100.0
	1981		11905	0	.0	0	.0	11905	100.0
SILVER	1975	KG	463695	49240	10.6	328765	70.9	85690	18.5
	1976		507521	71491	14.1	356494	70.2	79535	15.7
	1977		524319	93882	17.9	349548	66.7	80889	15.4
	1978		444361	71847	16.2	319324	71.9	53190	12.0
	1979		411940	45124	11.0	331308	80.4	35508	8.6
	1980		461027	71029	15.4	324453	70.4	65545	14.2
	1981		328779	60733	18.5	196699	59.8	71347	21.7
ZINC	1975	TONNE	335852	84361	25.1	36573	10.9	214918	64.0
	1976		317194	97908	30.9	28803	9.1	190482	60.1
	1977		295420	82602	28.0	38034	12.9	174784	59.2
	1978		277461	72840	26.3	32993	11.9	171628	61.9
	1979		289356	105763	36.6	85896	29.7	97697	33.8
	1980		253329	101483	40.1	78959	31.2	72887	28.8
	1981		246031	109184	44.4	74758	30.4	62089	25.2

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MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1975	EASTERN ONTARIO	1713	512	2458	389	1139
	KENORA	1677	2452	3975	40	68
	LARDER LAKE	2916	5010	7341	164	261
	PATRICIA	1019	2489	3903	16	41
	PORCUPINE	4162	4142	8614	131	195
	RED LAKE	1368	2059	2957	41	91
	SAULT STE MARIE	1711	1163	5284	61	92
	SUDBURY	1759	2320	4161	134	187
	THUNDER BAY	3436	2869	5403	135	258
1975	ONTARIO TOTAL	19761	23016	44096	1111	2332
1976	EASTERN ONTARIO	1191	575	3248	336	1095
	KENORA	1380	2125	3234	60	57
	LARDER LAKE	2350	2979	6712	128	241
	PATRICIA	1185	1120	3958	21	45
	PORCUPINE	5837	3621	10830	133	210
	RED LAKE	2705	1382	4332	54	77
	SAULT STE MARIE	782	1782	4241	57	88
	SUDBURY	1824	1516	4487	136	197
	THUNDER BAY	2364	3552	6079	141	240
1976	ONTARIO TOTAL	19618	18652	47121	1066	2250
1977	EASTERN ONTARIO	1189	1686	2430	340	1036
	KENORA	1495	1585	2820	40	57
	LARDER LAKE	1825	2834	5703	72	223
	PATRICIA	1261	1320	3760	22	46
	PORCUPINE	2438	4336	8932	140	222
	RED LAKE	2324	2395	4261	40	76
	SAULT STE MARIE	1008	1448	3801	63	76
	SUDBURY	842	1808	3473	109	200
	THUNDER BAY	1964	2966	5077	146	222
1977	ONTARIO TOTAL	14346	20378	40257	972	2158

MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1978	EASTERN ONTARIO	1058	1296	2192	350	908
	KENORA	808	1357	2300	28	52
	LARDER LAKE	1710	2065	5348	110	197
	PATRICIA	2018	765	5094	24	47
	PORCUPINE	3623	4429	8126	127	205
	RED LAKE	1207	1521	3916	41	59
	SAULT STE MARIE	724	1892	2633	61	80
	SUDBURY	645	1773	2519	92	174
	THUNDER BAY	3517	1982	6612	130	215
1978	ONTARIO TOTAL	15310	17080	38740	963	1937
1979	EASTERN ONTARIO	539	805	1888	468	741
	KENORA	984	1357	2119	48	52
	LARDER LAKE	4261	1452	8157	220	201
	PATRICIA	1012	1061	4899	33	40
	PORCUPINE	3975	2504	9597	172	195
	RED LAKE	1065	1763	3189	41	60
	SAULT STE MARIE	542	905	2270	64	68
	SUDBURY	694	720	2430	120	143
	THUNDER BAY	3099	2139	7554	155	200
1979	ONTARIO TOTAL	16171	12706	42103	1321	1700
1980	EASTERN ONTARIO	548	721	1699	737	1011
	KENORA	1877	788	3208	89	54
	LARDER LAKE	6299	1834	12622	271	275
	PATRICIA	3485	1391	7068	49	49
	PORCUPINE	10742	1778	18753	273	268
	RED LAKE	2220	1115	4301	62	75
	SAULT STE MARIE	1254	1059	2465	101	80
	SUDBURY	1948	737	3569	180	168
	THUNDER BAY	5527	1836	11245	291	283
1980	ONTARIO TOTAL	33900	11259	64930	2053	2263

MINING CLAIMS AND PROSPECTOR'S LICENCES

YEAR	MINING DIVISION	MINING CLAIMS RECORDED	MINING CLAIMS CANCELLED	MINING CLAIMS GOOD STANDING	PROSPECTOR'S LICENCES ISSUED	PROSPECTOR'S LICENCES RENEWED
1981	EASTERN ONTARIO	485	758	1531	639	1115
	KENORA	2121	846	4076	83	83
	LARDER LAKE	5498	2697	15423	244	295
	PATRICIA	2861	1582	8303	72	47
	PORCUPINE	8934	2956	24731	271	308
	RED LAKE	1719	1249	4889	64	96
	SAULT STE MARIE	1474	830	3109	67	91
	SUDBURY	3087	650	6116	202	189
	THUNDER BAY	6844	4426	13663	263	231
1981	ONTARIO TOTAL	33023	15994	81841	1905	2455
1982	EASTERN ONTARIO	354	617	1115	572	1230
	KENORA	1579	1609	4046	64	78
	LARDER LAKE	3253	5218	13458	185	303
	PATRICIA	842	1766	7737	34	37
	PORCUPINE	5420	6457	23694	216	307
	RED LAKE	942	1884	3922	50	83
	SAULT STE MARIE	10027	1432	11704	64	87
	SUDBURY	671	2577	4182	154	178
	THUNDER BAY	10252	4613	19349	188	356
1982	ONTARIO TOTAL	33340	26173	89207	1527	2659

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ASSESSMENT WORK RECORDED (IN DAYS)

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1975	EASTERN ONTARIO	1625	9016	23306	3589	0	780	60	0	0	38
	KENORA	147	23584	31509	940	5	613	436	0	0	32
	LARDER LAKE	3257	45880	38047	6738	723	3079	0	0	0	1187
	PATRICIA	89	38493	18953	1858	4610	881	60	0	0	27
	PORCUPINE	640	83388	108420	1300	1080	895	699	256	0	3356
	RED LAKE	458	29377	12714	960	0	608	600	0	0	0
	SAULT STE MARIE	371	18827	22020	1880	4040	2497	147	0	0	0
	SUDBURY	199	20416	12607	3668	80	1035	48	840	5	165
	THUNDER BAY	1558	38652	52020	4700	980	2463	3201	800	0	964
1975	ONTARIO TOTAL	8344	307633	319596	25633	11518	12851	5251	1896	5	5769
1976	EASTERN ONTARIO	901	10051	46580	5023	0	1093	93	0	0	778
	KENORA	231	25030	21367	5960	0	1619	835	0	0	0
	LARDER LAKE	1654	47724	42147	6220	320	3803	68	710	0	290
	PATRICIA	561	27111	11555	185	0	604	0	0	26	635
	PORCUPINE	304	25819	43920	2140	40	849	1024	820	0	22342
	RED LAKE	701	18680	23578	380	1280	1925	0	0	0	0
	SAULT STE MARIE	717	22735	11300	15580	0	1618	238	0	0	0
	SUDBURY	429	27652	22171	7570	680	988	251	1620	1018	10
	THUNDER BAY	1586	52552	29504	4600	5100	2298	2592	1060	0	1734
1976	ONTARIO TOTAL	7084	257354	252122	47658	7420	14797	5101	4210	1044	25789
1977	EASTERN ONTARIO	1521	19666	25520	2350	0	2028	0	0	0	0
	KENORA	241	15405	11366	1760	0	4183	800	0	0	83
	LARDER LAKE	1779	37101	45436	1820	400	3675	86	4746	0	3947
	PATRICIA	24	17880	13931	946	1300	306	0	0	0	276
	PORCUPINE	232	77496	135134	3755	320	459	0	0	0	10694
	RED LAKE	204	12994	45080	620	80	218	0	0	0	0
	SAULT STE MARIE	288	28366	12060	1080	117	1370	20	240	4	309
	SUDBURY	405	29244	16910	11540	440	2135	301	400	12	425
	THUNDER BAY	1403	24879	25601	4870	160	1654	1120	720	7830	490
1977	ONTARIO TOTAL	6097	263031	331038	28741	2817	16028	2327	6106	7846	16224

ASSESSMENT WORK RECORDED (IN DAYS)

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1978	EASTERN ONTARIO	1313	10782	15028	7864	0	2541	1032	0	0	255
	KENORA	452	22299	7576	2143	24	1619	0	0	0	821
	LARDER LAKE	1583	32602	37980	8887	920	2260	1615	1040	0	256
	PATRICIA	0	33371	57501	600	3530	8	0	0	0	0
	PORCUPINE	732	38056	47333	1880	1360	315	1751	0	0	2618
	RED LAKE	330	25574	19496	2480	2080	430	0	0	607	0
	SAULT STE MARIE	8	27780	38385	1520	14	1060	0	340	0	2348
	SUDBURY	658	10062	12146	4423	1800	102	2161	480	1	40
	THUNDER BAY	476	20182	20589	6206	0	492	952	1720	0	682
1978	ONTARIO TOTAL	5552	220708	256034	36003	9728	8827	7511	3580	608	7020
1979	EASTERN ONTARIO	311	18751	12869	5120	0	1048	316	0	13	0
	KENORA	163	9992	10658	1420	0	1145	625	0	0	164
	LARDER LAKE	2616	29713	25352	4960	80	4450	540	233	0	728
	PATRICIA	71	30869	27605	1949	195	408	0	0	0	152
	PORCUPINE	355	40850	59605	5480	560	942	447	0	0	42764
	RED LAKE	0	21108	38380	3154	80	0	0	0	0	227
	SAULT STE MARIE	27	11469	14467	658	40	108	970	0	0	690
	SUDBURY	338	9366	8234	864	120	274	0	0	45	95
	THUNDER BAY	319	11528	69612	14727	0	1748	1839	1040	0	986
1979	ONTARIO TOTAL	4200	183646	266782	38332	1075	10123	4737	1273	58	45806
1980	EASTERN ONTARIO	892	17648	6665	2822	0	1835	120	171	99	467
	KENORA	892	15428	3149	859	12	382	502	36	0	108
	LARDER LAKE	3819	64454	115031	10981	880	5934	1345	388	50	6476
	PATRICIA	217	42633	13524	2706	10800	182	0	1052	36	546
	PORCUPINE	7447	59993	212208	5246	470	4308	369	0	482	6329
	RED LAKE	495	38482	30240	871	560	385	288	0	0	654
	SAULT STE MARIE	260	7099	4430	1496	2	186	693	0	9	1245
	SUDBURY	203	7008	5848	1020	360	759	2326	280	0	5093
	THUNDER BAY	722	53418	57483	5372	80	1006	1135	6923	0	1149
1980	ONTARIO TOTAL	14947	306163	448578	31373	13164	14977	6778	8850	676	22067

ASSESSMENT WORK RECORDED (IN DAYS)

YEAR	MINING DIVISION	MANUAL LABOUR	DIAMOND DRILLING	GEOPHYSICAL SURVEY	GEOLOGICAL SURVEY	LAND SURVEY	POWER EQUIPMENT	BULLDOZER	GEOCHEMICAL SURVEY	ASSAYING	OTHER
1981	EASTERN ONTARIO	333	11855	4041	4022	120	2601	220	564	38	823
	KENORA	490	26127	37624	3383	200	859	1720	203	4	2122
	LARDER LAKE	2264	69906	125459	19536	2360	9677	1141	210	322	16212
	PATRICIA	10	42588	232184	4866	5720	133	1449	614	0	72
	PORCUPINE	1609	114823	261301	23177	3110	11549	4569	904	483	50302
	RED LAKE	346	28657	63454	8183	2360	420	0	0	0	3452
	SAULT STE MARIE	430	18338	16585	1900	17	2878	457	860	87	2321
	SUDBURY	404	20452	42466	2252	22	2304	1778	120	62	9914
	THUNDER BAY	821	71288	178888	14947	80	10676	0	1336	0	2729
1981	ONTARIO TOTAL	6707	404034	962002	82266	13989	41097	11334	4811	996	87947
1982	EASTERN ONTARIO	302	9546	8372	481	0	5851	733	1414	0	627
	KENORA	1074	23524	26270	5330	0	368	2553	5765	0	3554
	LARDER LAKE	3062	99526	133511	17926	1200	17455	319	1222	134	39335
	PATRICIA	48	35329	73486	13980	14770	4019	3099	7163	0	15465
	PORCUPINE	1585	91203	359970	36178	300	21865	9134	2067	543	73252
	RED LAKE	206	23967	79662	6787	0	3259	16	0	0	4878
	SAULT STE MARIE	223	2760	67833	3568	48	4663	2167	9	52	432
	SUDBURY	1047	19719	35557	7374	2	1666	2202	1126	1350	80
	THUNDER BAY	1246	133035	114805	24437	1840	9120	0	5322	0	2468
1982	ONTARIO TOTAL	8793	438609	899466	116061	18160	68266	20223	24088	2079	140091

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PRODUCTION OF STONE INDUSTRY

REPORT 9 PAGE 1

STANDARD INDUSTRIAL CLASS	YEAR	VOLUME	VALUE
		TONNE	$
0831 GRANITE QUARRIES	1968	1858211	5554570
	1969	697994	2962757
	1970	1023635	3559700
	1971	924931	4672792
	1972	239398	3955643
	1973	1428262	5994901
	1974	1523225	7254888
	1975	711255	6111881
	1976	1924442	12488289
	1977	1811894	12758464
	1978	2188377	15958793
	1979	1920904	19269579
	1980	1456438	21211406
	1981	1739409	23297232
0832 LIMESTONE QUARRIES	1968	24075573	31408180
	1969	23770826	28638664
	1970	24056168	30428000
	1971	24669683	33382138
	1972	27938698	36793037
	1973	30788204	46229334
	1974	29714186	52914154
	1975	26793584	55481839
	1976	26218140	58663088
	1977	27033412	64387077
	1978	35777614	85068777
	1979	37728856	93700400
	1980	34817343	101785034
	1981	35568404	102638297
0833 MARBLE QUARRIES	1968	26496	467503
	1969	8605	215475
	1970	7684	223624
	1971	8723	173074
	1972	8436	165366
	1973	8765	252474
	1974	8042	361620
	1975	6897	260157
	1976	7245	271620
	1977	7122	279119

NOTE: THE VOLUME OF STONE FROM LIMESTONE QUARRIES INCLUDES THE STONE USED IN THE PRODUCTION OF CEMENT + LIME.

GW R9.DAT February 11, 1983

PRODUCTION OF STONE INDUSTRY

REPORT 9 PAGE 2

STANDARD INDUSTRIAL CLASS		YEAR	VOLUME	VALUE
			TONNE	$
0833	MARBLE QUARRIES	1978	2333	90741
		1979	2924	134269
		1981	90319	643530
0834	SANDSTONE QUARRIES	1968	18096	303603
		1969	47867	476630
		1970	17378	235864
		1971	14191	255596
		1972	19196	316550
		1973	15505	393024
		1974	15837	385538
		1975	14123	395868
		1976	15578	437592
		1977	16704	459617
		1978	11614	321301
		1979	5556	253523
		1980	3951	224461
		1981	3918	234440
0835	SHALE QUARRIES	1978	159256	182939
		1979	172752	120219
		1980	26508	168499
		1981	144296	92237

NOTE: THE VOLUME OF STONE FROM LIMESTONE QUARRIES INCLUDES THE STONE USED IN THE PRODUCTION OF CEMENT + LIME.

GW R9.DAT February 11, 1983

PRODUCTION OF STONE INDUSTRY REPORT 9 PAGE 3

STANDARD INDUSTRIAL CLASS	YEAR	VOLUME	VALUE
		TONNE	$
TOTAL PRODUCTION OF THE STONE INDUSTRY	1968	25978376	37733856
	1969	24525292	32293526
	1970	25104865	34447188
	1971	25617528	38483600
	1972	28205728	41230596
	1973	32240736	52869733
	1974	31261290	60916200
	1975	27525859	62249745
	1976	28165405	71860589
	1977	28869132	77884277
	1978	38139194	101622551
	1979	39830992	113477990
	1980	36304240	123389400
	1981	37546346	126905736

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MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE $
BARITE	PRODUCED FROM	MISC. NON-METAL M	5000	TONNE	1100000
			5000		1100000
BISMUTH	PRODUCED FROM	COPPER-GOLD-SILVER M	312	KG	2170
			312		2170
CADMIUM	PRODUCED FROM	COPPER-GOLD-SILVER M	609215	KG	2959469
			609215		2959469
CALCIUM	PRODUCED FROM	SMELTING & REFINING	469403	KG	3512073
			469403		3512073
CEMENT	PRODUCED FROM	CEMENT MANUFACTURERS	3787237	TONNE	205062550
			3787237		205062550

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

GW R10ALL.DAT February 11, 1983

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
CLAY IN BRICK	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	364633562	BRICK	54249454
			364633562		54249454
CLAY IN OTHER PRODCT	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	N/A	N/A	7416800
			N/A		7416800
CLAY IN SEWER PIPE	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	5376	METRE	23439
			5376		23439
CLAY IN TILE	PRODUCED FROM				
		CLAY PRODUCTS MANUF.	15815944	TILE	4970570
			15815944		4970570
COBALT	PRODUCED FROM				
		NICKEL-COPPER MINES	1831319	KG	94392310
			1831319		94392310

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
COPPER	PRODUCED FROM				
		GOLD QUARTZ MINES	1566926	KG	3226715
		COPPER-GOLD-SILVER M	88514685	KG	216154625
		NICKEL-COPPER MINES	136289468	KG	301608593
		SILVER-COBALT MINES	13701	KG	29611
			226384780		521019544
FELDSPAR	PRODUCED FROM				
		FELDSPAR & QUARTZ M	960	TONNE	18000
			960		18000
GEMSTONES	PRODUCED FROM				
		MISC. NON-METAL M	50	TONNE	54000
			50		54000
GOLD	PRODUCED FROM				
		GOLD QUARTZ MINES	16229724	G	297092901
		COPPER-GOLD-SILVER M	199148	G	3406068
		NICKEL-COPPER MINES	1879023	G	33298165
			18307895		333797134

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

REPORT 10 PAGE 4

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE $
GYPSUM	PRODUCED FROM	GYPSUM MINES	649546	TONNE	5477033
			649546		5477033
IRIDIUM	PRODUCED FROM	NICKEL-COPPER MINES			
			SEE NOTE		
IRON ORE	PRODUCED FROM	IRON MINES	5343541	TONNE	243820049
		NICKEL-COPPER MINES	51079	TONNE	1642500
			5394620		245462549
LEAD	PRODUCED FROM	COPPER-GOLD-SILVER M	3383521	KG	4008744
			3383521		4008744
LIME	PRODUCED FROM	IRON & STEEL MILLS	216185	TONNE	11600487
		SMELTING & REFINING	46394	TONNE	2388551
		LIME MANUFACTURERS	1573589	TONNE	80710678
			1836168		94699716

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM,
IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
MAGNESIUM	PRODUCED FROM	SMELTING & REFINING	8548042	KG	29439456
			8548042		29439456
MAGNETITE	PRODUCED FROM	FELDSPAR & QUARTZ M	7218	TONNE	78214
			7218		78214
NATURAL GAS	PRODUCED FROM	PETROLEUM & NAT. GAS	419271420	CU.M	34556335
			419271420		34556335
NEPHELINE SYENITE	PRODUCED FROM	FELDSPAR & QUARTZ M	587565	TONNE	17531692
			587565		17531692
NICKEL	PRODUCED FROM	COPPER-GOLD-SILVER M	15858	KG	122011
		NICKEL-COPPER MINES	130252652	KG	1001095978
			130268510		1001217989

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
PALLADIUM	PRODUCED FROM	COPPER-GOLD-SILVER M			
		NICKEL-COPPER MINES			
			SEE NOTE		
PEAT	PRODUCED FROM	PEAT BOG	9205	TONNE	1201993
			9205		1201993
PETROLEUM	PRODUCED FROM	PETROLEUM & NAT. GAS	89983	CU.M	11111980
			89983		11111980
PLATINUM GROUP	PRODUCED FROM	COPPER-GOLD-SILVER M	168	KG	1451297
		NICKEL-COPPER MINES	11737	KG	134788065
			11905		136239362
QUARTZ	PRODUCED FROM	FELDSPAR & QUARTZ M	427189	TONNE	9787492
			427189		9787492

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY	STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
				$
RHODIUM	PRODUCED FROM NICKEL-COPPER MINES			
		SEE NOTE		
RUTHENIUM	PRODUCED FROM NICKEL-COPPER MINES			
		SEE NOTE		
SALT	PRODUCED FROM SALT MINES	4968503	TONNE	80888513
		4968503		80888513
SAND & GRAVEL	PRODUCED FROM SAND AND GRAVEL PITS	70191371	TONNE	134335610
		70191371		134335610
SELENIUM	PRODUCED FROM NICKEL-COPPER MINES	28576	KG	679823
		28576		679823

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM,
IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981 BY MINES IN SELECTED STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
SERPENTINE FILLER	PRODUCED FROM				
		MISC. NON-METAL M	3672	TONNE	487906
			3672		487906
SILVER	PRODUCED FROM				
		GOLD QUARTZ MINES	2963	KG	1216858
		COPPER-GOLD-SILVER M	237553	KG	102442355
		NICKEL-COPPER MINES	51678	KG	20962973
		SILVER-COBALT MINES	36585	KG	12346862
			328779		136969048
STONE	PRODUCED FROM				
		GRANITE QUARRIES	1739409	TONNE	23297232
		LIMESTONE QUARRIES	35568404	TONNE	102638297
		MARBLE QUARRIES	90319	TONNE	643530
		SANDSTONE QUARRIES	3918	TONNE	234440
		SHALE QUARRIES	144296	TONNE	92237
			37546346		126905736

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM, IRIDIUM , RUTHENIUM AND OSMIUM

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
SULPHUR	PRODUCED FROM				
		COPPER-GOLD-SILVER M	105962	TONNE	4244835
		NICKEL-COPPER MINES	57694	TONNE	2311221
		PETROLEUM & NAT. GAS	29065	TONNE	1842410
		SMELTING & REFINING	254116	TONNE	10179887
			446837		18578353
TALC	PRODUCED FROM				
		TALC & SOAPSTONE M	18229	TONNE	2591565
			18229		2591565
TELLURIUM	PRODUCED FROM				
		NICKEL-COPPER MINES	4445	KG	159575
			4445		159575
TERRAZZO CHIPS	PRODUCED FROM				
		TALC & SOAPSTONE M	1947	TONNE	110691
			1947		110691

NOTE: PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM,
IRIDIUM , RUTHENIUM AND OSMIUM

GW R10ALL.DAT February 11, 1983

MINERAL COMMODITIES PRODUCED IN ONTARIO IN 1981
BY MINES IN SELECTED
STANDARD INDUSTRIAL CLASSES

MINERAL COMMODITY		STANDARD INDUSTRIAL CLASS	VOLUME	UNIT	VALUE
					$
TIN	PRODUCED FROM				
		COPPER-GOLD-SILVER M	88774	KG	1479882
			88774		1479882
URANIUM	PRODUCED FROM				
		URANIUM MINES	4859497	KG	522011958
			4859497		522011958
ZINC	PRODUCED FROM				
		COPPER-GOLD-SILVER M	246030807	KG	286283503
			246030807		286283503

NOTE PLATINUM GROUP INCLUDES PLATINUM, PALLADIUM, RHODIUM,
IRIDIUM , RUTHENIUM AND OSMIUM

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PRODUCTION OF THE SAND AND GRAVEL INDUSTRY

MINERAL COMMODITY SUBGROUP	YEAR	VOLUME	VALUE
		TONNE	$
SAND	1974	25510969	31032801
	1975	24840241	35805716
	1976	22956774	39045074
	1977	23554680	39196068
	1978	29067143	46948617
	1979	26564238	46754169
	1980	26297321	49394265
	1981	23631022	43913408
GRAVEL (NATURAL)	1974	19107804	16458018
	1975	19109697	16221991
	1976	18996771	19342242
	1977	21897234	23313314
	1978	26492384	28209540
	1979	28876632	31984489
	1980	23680565	25347503
	1981	21345221	26933774
CRUSHED GRAVEL	1974	27942096	38027263
	1975	25755496	43551220
	1976	26848500	47706010
	1977	29948476	59266511
	1978	32286229	67585053
	1979	35074760	73108799
	1980	27618299	59238001
	1981	25230296	63587622

NOTE: THE 1980 CENSUS OF SAND + GRAVEL OPERATIONS WAS MUCH MORE COMPREHENSIVE THAN PREVIOUS CENSUS. THE ADDITIONAL OPERATIONS SURVEYED,ALTHOUGH ON AVERAGE SMALLER PRODUCERS,HAVE AFFECTED THE STATISTICS. ONLY FUTURE COMPARABLE CENSUS WILL REVEAL THE EFFECT.

GW R11.DAT February 11, 1983

PRODUCTION OF THE SAND AND GRAVEL INDUSTRY

MINERAL COMMODITY SUBGROUP	YEAR	VOLUME	VALUE
		TONNE	$
TOTAL PRODUCTION OF THE SAND AND GRAVEL INDUSTRY	1974	72560869	85518082
	1975	69705434	95578927
	1976	68802045	106093326
	1977	75400390	121775893
	1978	87845756	142743210
	1979	90515630	151847457
	1980	77596185	133979769
	1981	70206539	134434804

NOTE: 1981 70206539-15168=70191371
$134434804-$99194=$134335610
IN REPORT 10.
DIFFERENT SOURCES.
R11 SOURCE IS SG81.DMS.
R10 SOURCE IS PT81.DMS.

NOTE: THE 1980 CENSUS OF SAND + GRAVEL OPERATIONS WAS MUCH MORE COMPREHENSIVE THAN PREVIOUS CENSUS. THE ADDITIONAL OPERATIONS SURVEYED, ALTHOUGH ON AVERAGE SMALLER PRODUCERS, HAVE AFFECTED THE STATISTICS. ONLY FUTURE COMPARABLE CENSUS WILL REVEAL THE EFFECT.

GW R11.DAT

February 11, 1983

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VOLUME AND VALUE OF MINERAL PRODUCTION IN 1975
IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ASBESTOS	TONNES	15322	1493874	1055667	267246126	4138756	.37	25.51
BISMUTH	KILOGRAMS	2439	42325	156605	2646596	3980727	.06	3.93
CADMIUM	KILOGRAMS	666025	5011427	1191674	8966605	15234000	4.37	7.82
CALCIUM	KILOGRAMS	428287	1004674	428288	1004674	900000	47.59	47.59
CEMENT	TONNES	3736561	110922439	9965111	320172540	702151010	.53	1.42
CLAY PRODUCTS	N/A	0	44769040	0	85977084	N/A	N/A	N/A
COAL	TONNES	0	0	25258744	586423000	2589768000	.00	.98
COBALT	KILOGRAMS	1088512	10277852	1354213	12547883	21591000	5.04	6.27
COLUMBIUM(CB205)	KILOGRAMS	0	0	1661567	6854430	7858000	.00	21.14
COPPER	KILOGRAMS	257778000	361431937	733825891	1030502475	7009487000	3.68	10.47
GOLD	GRAMS	23487728	123678894	51433113	270830389	1196737000	1.96	4.30
GYPSUM	TONNES	630600	2936056	5719451	20303793	59220113	1.06	9.66
IRON ORE	TONNES	9503813	219024019	44892530	918064741	916018107	1.04	4.90
LEAD	KILOGRAMS	6192191	2766329	349132526	155973115	3432140000	.18	10.17
LIME	TONNES	1064318	27063022	1601624	46906613	104928616	1.01	1.53
MAGNESIUM	KILOGRAMS	3825697	8788248	3825697	8788248	234495000	1.63	1.63
MOLYBDENUM	KILOGRAMS	0	0	13026696	71201391	81777000	.00	15.93
NATURAL GAS	K CU METRE	309645	6508000	87485758	1520661000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	17834745	782337000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	468427	8869497	468427	8869497	813427	57.59	57.59
NICKEL	KILOGRAMS	179094876	811328713	242179944	1100522780	807877000	22.17	29.98
PEAT	TONNES	10363	874611	361096	22272562	203197588	.01	.18
PETROLEUM	CU METRE	111927	5046000	82802134	3754837000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	12417	56493077	12417	56493077	177715	6.99	6.99
POTASH	TONNES	0	0	4673425	358569684	24738000	.00	18.89
PYRITE PYRRHOTITE	TONNES	0	0	21120	127271	9521376	.00	.22
QUARTZ	TONNES	1096237	4358086	2491715	13112130	N/A	N/A	N/A
SALT	TONNES	3762965	32259074	5122573	59714393	161666671	2.33	3.17
SAND & GRAVEL	TONNES	69705434	95578927	247155421	305180621	N/A	N/A	N/A
SELENIUM	KILOGRAMS	48851	1971987	182385	7362269	1183000	4.13	15.42
SILVER	KILOGRAMS	463694	67176070	1234642	178864088	9427837	4.92	13.10
SOAPSTONE,TALC	TONNES	20876	624381	66029	1538116	4901519	.43	1.35
SODIUM SULPHATE	TONNES	0	0	472196	22048515	1972220	.00	23.94
STONE	TONNES	27525859	62249745	88920782	202099302	4569489535	.60	1.95
SULPHUR	TONNES	343490	4770425	4773446	101488035	50678000	.68	9.42
TELLURIUM	KILOGRAMS	6933	144606	19854	414074	200000	3.47	9.93
TIN	KILOGRAMS	286918	2165533	319429	2366202	222283000	.13	.14
TUNGSTEN(WO3)	KILOGRAMS	0	0	1477731	137853	38332000	.00	3.86
URANIUM(U)	KILOGRAMS	4065689	164149613	4678525	186824545	19068000	21.32	24.54
ZINC	KILOGRAMS	335852492	277660498	1055150513	872328258	5850000000	5.74	18.04
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1975			2521438979		13372577975			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
IN 1981 $9,354,510 WAS DEDUCTED FROM CEMENT AND $6,142,140 WAS DEDUCTED FROM LIME.
REPORT 12 EXCLUDES FELDSPAR,GEMSTONES,SERPENTINE FILLER & TERRAZO CHIPS
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GW R12.DAT

February 17, 1983

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1976

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ASBESTOS	TONNES	26887	2595282	1536091	452208338	5086071	.53	30.20
BISMUTH	KILOGRAMS	43	710	129578	2008898	3985263	.00	3.25
CADMIUM	KILOGRAMS	733859	4246943	1313723	7602699	16773000	4.38	7.83
CALCIUM	KILOGRAMS	513963	1432505	513964	1432505	900000	57.11	57.11
CEMENT	TONNES	3719986	126123662	9624320	381111653	746085060	.50	1.29
CLAY PRODUCTS	N/A	0	52117111	0	97547190	N/A	N/A	N/A
COAL	TONNES	0	0	25476037	607100000	2526242000	.00	1.01
COBALT	KILOGRAMS	1148948	10942034	1356337	13239481	21418000	5.36	6.33
COLUMBIUM(CB205)	KILOGRAMS	0	0	1498634	6766723	9481000	.00	15.81
COPPER	KILOGRAMS	260197664	391377336	730929902	1101109444	7451400000	3.49	9.81
GOLD	GRAMS	23002483	91043412	52621110	208273405	1220314000	1.88	4.31
GYPSUM	TONNES	574028	2680192	6002154	22767236	66777869	.86	8.99
IRON ORE	TONNES	10080772	252317984	55416346	1223002567	882730378	1.14	6.28
LEAD	KILOGRAMS	6905766	3448831	256323634	128011393	3302800000	.21	7.76
LIME	TONNES	1166354	35255063	1850103	59723820	107658335	1.08	1.72
MAGNESIUM	KILOGRAMS	6091804	12825301	6091805	12825301	245378000	2.48	2.48
MOLYBDENUM	KILOGRAMS	0	0	14618607	98572260	88665000	.00	16.49
NATURAL GAS	K CU METRE	140423	4860000	87649797	2649218000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	16614721	798906000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	540121	10566411	540121	10566411	837121	64.52	64.52
NICKEL	KILOGRAMS	187435884	882305042	240824846	1146480235	801898000	23.37	30.03
PEAT	TONNES	8719	785183	394183	25473884	202302197	.00	.19
PETROLEUM	CU METRE	98731	5216000	76438194	4053888000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	12964	50143112	12965	50143112	185948	6.97	6.97
POTASH	TONNES	0	0	5215435	353504466	24386000	.00	21.39
PYRITE PYRRHOTITE	TONNES	0	0	30754	240638	9426000	.00	.33
QUARTZ	TONNES	1126909	5203268	2395948	16006923	N/A	N/A	N/A
SALT	TONNES	4489108	52492835	5994020	84079349	159941206	2.81	3.75
SAND & GRAVEL	TONNES	68802045	106093326	249158891	334414078	N/A	N/A	N/A
SELENIUM	KILOGRAMS	49169	1924100	109649	4290778	1124000	4.37	9.76
SILVER	KILOGRAMS	507520	70131231	1281437	177073912	9838123	5.16	13.03
SOAPSTONE,TALC	TONNES	18585	586902	68834	1833151	5267146	.35	1.31
SODIUM SULPHATE	TONNES	0	0	460193	23309533	1929582	.00	23.85
STONE	TONNES	28165405	71860589	87875936	230638462	4535923700	.62	1.94
SULPHUR	TONNES	364339	9597141	4734754	88752826	50888000	.72	9.30
TELLURIUM	KILOGRAMS	7030	157945	48698	1093988	100000	7.03	48.70
TIN	KILOGRAMS	172171	1168823	274435	1881735	228364000	.08	.12
TUNGSTEN(WO3)	KILOGRAMS	0	0	2168153	244353	41231000	.00	5.26
URANIUM(U)	KILOGRAMS	3765824	186438898	5626582	241829000	22090000	17.05	25.47
ZINC	KILOGRAMS	317193892	263101933	982057016	814584095	5690000000	5.57	17.26
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1976			2709039105		15531755842			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
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VOLUME AND VALUE OF MINERAL PRODUCTION IN 1977
IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ASBESTOS	TONNES	6625	730300	1517359	563532418	5220639	.13	29.06
BISMUTH	KILOGRAMS	0	0	164685	2246754	4476050	.00	3.68
CADMIUM	KILOGRAMS	603044	4187878	1185446	8232399	17935000	3.36	6.61
CALCIUM	KILOGRAMS	490855	1801506	490856	1801506	950000	51.67	51.67
CEMENT	TONNES	3647304	138795199	9639679	420085858	791876116	.46	1.22
CLAY PRODUCTS	N/A	0	53784270	0	103360945	N/A	N/A	N/A
COAL	TONNES	0	0	28520334	609517000	2464630000	.00	1.16
COBALT	KILOGRAMS	1263041	16052589	1484669	18769670	21849000	5.78	6.80
COLUMBIUM(CB2O5)	KILOGRAMS	0	0	2508909	12870366	8801000	.00	28.51
COPPER	KILOGRAMS	279936484	427980593	759422910	1162697501	7661200000	3.65	9.91
GOLD	GRAMS	22989264	116107936	53921330	272331217	1216799000	1.89	4.43
GYPSUM	TONNES	699390	3991126	7233931	31375605	71705696	.98	10.09
IRON ORE	TONNES	10319657	287810755	53621097	1375566426	840545126	1.23	6.38
LEAD	KILOGRAMS	8138358	5648504	280955144	194999529	3406400000	.24	8.25
LIME	TONNES	1203823	39971386	1899546	64466723	109604246	1.10	1.73
MAGNESIUM	KILOGRAMS	7632646	17766569	7632646	17766569	251629000	3.03	3.03
MOLYBDENUM	KILOGRAMS	0	0	16567555	150581983	95129000	.00	17.42
NATURAL GAS	K CU METRE	241523	10267000	91517960	3422070000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	16702596	969725000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	574558	11983799	574558	11983799	874558	65.70	65.70
NICKEL	KILOGRAMS	179994848	927518355	232512293	1212568078	820508000	21.94	28.34
PEAT	TONNES	6700	607736	386409	28256540	202302197	.00	.19
PETROLEUM	CU METRE	98047	6627000	76578729	4871500000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	14474	61988406	14475	61988406	196275	7.37	7.37
POTASH	TONNES	0	0	5764181	403706531	25801000	.00	22.34
PYRITE PYRRHOTITE	TONNES	0	0	24119	197027	9413000	.00	.26
QUARTZ	TONNES	1043066	6128927	2316680	19310367	N/A	N/A	N/A
SALT	TONNES	4486491	57141078	6039483	90075658	158364519	2.83	3.81
SAND & GRAVEL	TONNES	75400390	121775893	262904861	364881204	N/A	N/A	N/A
SELENIUM	KILOGRAMS	53149	2128700	161308	6460603	1370000	3.88	11.77
SILVER	KILOGRAMS	524318	82937621	1313685	207800665	10581807	4.95	12.41
SOAPSTONE,TALC	TONNES	14109	660189	72400	2259889	5624816	.25	1.29
SODIUM SULPHATE	TONNES	0	0	394795	20450196	1749052	.00	22.57
STONE	TONNES	28869132	77884277	120162599	296567310	3628738960	.80	3.31
SULPHUR	TONNES	377788	7934689	5943037	94772088	52093000	.73	11.41
TELLURIUM	KILOGRAMS	8074	325367	35116	1414931	100000	8.07	35.12
TIN	KILOGRAMS	140506	1633889	327985	3546189	235909000	.06	.14
TUNGSTEN(WO3)	KILOGRAMS	0	0	2284409	415074	42158000	.00	5.42
URANIUM(U)	KILOGRAMS	3627995	250688679	5786939	349219143	28852000	12.57	20.06
ZINC	KILOGRAMS	295419604	231409401	1070515113	838560678	5906000000	5.00	18.13
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1977			2974269617		18287931845			

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VOLUME AND VALUE OF MINERAL PRODUCTION IN 1978
IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ASBESTOS	TONNES	0	0	1421808	532402870	5153868	.00	27.59
BISMUTH	KILOGRAMS	0	0	145104	1159717	4420258	.00	3.28
CADMIUM	KILOGRAMS	517958	3191617	1151298	7094204	16765000	3.09	6.87
CALCIUM	KILOGRAMS	574764	2397480	574764	2688932	1400000	41.05	41.05
CEMENT	TONNES	3950882	160206032	10558279	572590476	851025469	.46	1.24
CLAY PRODUCTS	N/A	0	57142237	0	109635000	N/A	N/A	N/A
COAL	TONNES	0	0	30478000	779426000	2614830000	.00	1.17
COBALT	KILOGRAMS	907016	24026091	1233777	32750063	25248000	3.59	4.89
COLUMBIUM(CB205)	KILOGRAMS	0	0	2473045	14220024	9645000	.00	25.64
COPPER	KILOGRAMS	197039368	323999680	659379969	1084244746	7557300000	2.61	8.73
GOLD	GRAMS	21804625	154513020	53966927	382423117	1222491000	1.78	4.41
GYPSUM	TONNES	755697	4524758	8074441	38624517	76735128	.98	10.52
IRON ORE	TONNES	9600001	308366931	4142[illegible]88	1163755373	854522884	1.12	4.85
LEAD	KILOGRAMS	7060175	5731508	319809340	259623841	3444700000	.20	9.28
LIME	TONNES	1341770	48493285	2034211	76218267	111272559	1.21	1.83
MAGNESIUM	KILOGRAMS	8311227	20155430	8309413	19825112	283280000	2.93	2.93
MOLYBDENUM	KILOGRAMS	0	0	13943405	179068509	100209000	.00	13.91
NATURAL GAS	K CU METRE	356074	21376864	88609000	3923465000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	16313000	1063670000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	599121	14181840	599121	14181840	835000	71.75	71.75
NICKEL	KILOGRAMS	93477387	473685130	128309714	635450669	663489000	14.09	19.34
PEAT	TONNES	8321	781592	435457	36161903	203209332	.00	.21
PETROLEUM	CU METRE	94417	8165685	76348000	5810996000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	10887	65761434	10888	65761434	196954	5.53	5.53
POTASH	TONNES	0	0	6344010	504535137	26000000	.00	24.40
PYRITE PYRRHOTITE	TONNES	0	0	9203	72466	9469000	.00	.10
QUARTZ	TONNES	846500	6978328	2165050	21746590	N/A	N/A	N/A
SALT	TONNES	4865203	61679276	6451894	98326458	163751381	2.97	3.94
SAND & GRAVEL	TONNES	87845756	142743210	272091925	416860455	N/A	N/A	N/A
SELENIUM	KILOGRAMS	31480	1187485	122405	4917253	1448000	2.17	8.45
SILVER	KILOGRAMS	444361	88162373	1266927	251361189	10720031	4.15	11.82
SOAPSTONE,TALC	TONNES	8386	440324	61661	2176716	5874142	.14	1.05
SODIUM SULPHATE	TONNES	0	0	376563	19299566	1718208	.00	21.92
STONE	TONNES	38139194	101622551	122143808	332744269	2733347622	1.40	4.47
SULPHUR	TONNES	300038	5135083	6428486	113041197	53399000	.56	12.04
TELLURIUM	KILOGRAMS	5307	266912	31421	1580302	200000	2.65	15.71
TIN	KILOGRAMS	98543	1423708	360409	5099216	251183000	.04	.14
TUNGSTEN(WO3)	KILOGRAMS	0	0	2885619	465668	45417000	.00	6.35
URANIUM(U)	KILOGRAMS	4454834	363839550	8210631	617527537	33900000	13.14	24.22
ZINC	KILOGRAMS	277461256	212607650	1066901775	817524882	5878000000	4.72	18.15
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1978			2682787064		20012716515			

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VOLUME AND VALUE OF MINERAL PRODUCTION IN 1979
IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ASBESTOS	TONNES	0	0	1492719	607460815	4884732	.00	30.56
BISMUTH	KILOGRAMS	0	0	136733	973979	3574308	.00	3.83
CADMIUM	KILOGRAMS	672837	4795677	1209459	8620478	19190000	3.51	6.30
CALCIUM	KILOGRAMS	455712	2152146	455713	2152146	1361000	33.48	33.48
CEMENT	TONNES	4117179	182252209	11765248	653877000	873798527	.47	1.35
CLAY PRODUCTS	N/A	0	60767493	0	121526000	N/A	N/A	N/A
COAL	TONNES	0	0	33200000	860000000	N/A	N/A	N/A
COBALT	KILOGRAMS	1277939	86299973	1639624	109344140	29749309	4.30	5.51
COLUMBIUM(CB205)	KILOGRAMS	0	0	2512667	15292221	14387042	.00	17.46
COPPER	KILOGRAMS	192946146	457472114	636382578	1511199816	7675000000	2.51	8.29
GOLD	GRAMS	19172867	221473644	51142359	590766328	1243949341	1.54	4.11
GYPSUM	TONNES	743511	4831117	8098166	41125987	74400000	1.00	10.88
IRON ORE	TONNES	7874938	287190991	59617286	1807399201	911494666	.86	6.54
LEAD	KILOGRAMS	6968696	9206177	310745203	410518032	3523300000	.20	8.82
LIME	TONNES	1317944	51920880	1859324	82774000	119369182	1.10	1.56
MAGNESIUM	KILOGRAMS	9014999	24444031	9014999	24444031	309028853	2.92	2.92
MOLYBDENUM	KILOGRAMS	0	0	11174586	332024420	104064522	.00	10.74
NATURAL GAS	K CU METRE	292000	21420000	94426000	4855845000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	19664000	1449015000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	605699	15180042	605699	15180042	N/A	N/A	N/A
NICKEL	KILOGRAMS	88444784	566279308	126481900	828617392	679276347	13.02	18.62
PEAT	TONNES	7035	675547	480087	41149643	202639670	.00	.24
PETROLEUM	CU METRE	92000	8259000	86910000	7451855000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	6156	56333561	6157	56333561	201750	3.05	3.05
POTASH	TONNES	0	0	7074388	735246584	25677000	.00	27.55
PYRITE PYRRHOTITE	TONNES	0	0	31032	274879	9987000	.00	.31
QUARTZ	TONNES	980279	8965420	2368497	26578947	N/A	N/A	N/A
SALT	TONNES	5188664	67900216	6881121	109848117	173585264	2.99	3.96
SAND & GRAVEL	TONNES	90515630	151847457	346569544	457120264	N/A	N/A	N/A
SELENIUM	KILOGRAMS	18325	581356	217759	6908282	1620369	1.13	13.44
SILVER	KILOGRAMS	411946	171832807	1146908	478399470	10760497	3.83	10.66
SOAPSTONE,TALC	TONNES	12148	914257	90330	3438708	6214105	.20	1.45
SODIUM SULPHATE	TONNES	0	0	443279	25211131	1949540	.00	22.74
STONE	TONNES	39830992	113477990	109719180	330707702	N/A	N/A	N/A
SULPHUR	TONNES	336285	6894212	6981409	174156775	54745000	.61	12.75
TANTALUM(TA205)	KILOGRAMS	0	0	158845	14521200	493508	.00	32.19
TELLURIUM	KILOGRAMS	3129	161667	42433	2191806	213476	1.47	19.88
TIN	KILOGRAMS	95772	1745703	336757	5564651	232400000	.04	.14
TUNGSTEN(WO3)	KILOGRAMS	0	0	3254067	534984	46021000	.00	7.07
URANIUM(U)	KILOGRAMS	4005377	375793251	6530418	616168384	38096777	10.51	17.14
ZINC	KILOGRAMS	289357404	278881182	1099925841	1060102886	5917000000	4.89	18.59
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1979			3239949428		25924469002			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
IN 1981 $9,354,510 WAS DEDUCTED FROM CEMENT AND $6,142,140 WAS DEDUCTED FROM LIME.
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GW R12.DAT

February 17, 1983

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1980

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO		CANADA		WORLD	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
		VOLUME	VALUE	VOLUME	VALUE	VOLUME		
			$		$			
ASBESTOS	TONNES	0	0	1323000	618493000	4887215	.00	27.07
BISMUTH	KILOGRAMS	0	0	149000	1016000	3320750	.00	4.49
CADMIUM	KILOGRAMS	779133	5283454	1033000	7568000	18663000	4.17	5.54
CALCIUM	KILOGRAMS	530606	3421621	531000	3422000	N/A	N/A	N/A
CEMENT	TONNES	4067347	190792978	9548000	581372000	886887389	.46	1.08
CLAY PRODUCTS	N/A	0	58109858	0	108453000	N/A	N/A	N/A
COAL	TONNES	0	0	36688000	932000000	N/A	N/A	N/A
COBALT	KILOGRAMS	1685948	106900800	2118000	134748000	30606599	5.51	6.92
COLUMBIUM(CB205)	KILOGRAMS	0	0	2463000	15303000	15043391	.00	16.37
COPPER	KILOGRAMS	245024420	631187524	702033000	1822451000	7617000000	3.22	9.22
GOLD	GRAMS	18497499	403893082	50734000	1168046000	1256857284	1.47	4.04
GYPSUM	TONNES	740030	5728570	7336000	39539000	71023493	1.04	10.33
IRON ORE	TONNES	6569131	261998580	49293000	1702285000	887652109	.74	5.55
LEAD	KILOGRAMS	8959858	9087822	252907000	275158000	3517700000	.25	7.19
LIME	TONNES	1683447	74389285	2425000	129232000	118640713	1.42	2.04
MAGNESIUM	KILOGRAMS	9252035	27821844	9252000	27822000	318308446	2.91	2.91
MOLYBDENUM	KILOGRAMS	0	0	11889000	299324000	109653687	.00	10.84
NATURAL GAS	K CU METRE	445232	33481424	87108000	6148826000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	19147000	1825148000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	599699	16544153	600000	15936000	N/A	N/A	N/A
NICKEL	KILOGRAMS	145607461	1154868925	184801000	1497418000	744750591	19.55	24.81
PEAT	TONNES	7721	938881	466000	44555000	203854390	.00	.23
PETROLEUM	CU METRE	93882	9787181	83477000	9037890000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	12776	158923378	12776	158916000	212628	6.01	6.01
POTASH	TONNES	0	0	7201000	1020705000	27673000	.00	26.02
PYRITE PYRRHOTITE	TONNES	0	0	32000	345000	10297000	.00	.31
QUARTZ	TONNES	398759	8234895	1996000	29184000	N/A	N/A	N/A
SALT	TONNES	4871117	71400615	7423000	122775000	168544038	2.89	4.40
SAND & GRAVEL	TONNES	77580254	133979765	250899000	450258000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	43091	1068915	279000	8779000	1369032	3.15	20.38
SILVER	KILOGRAMS	461027	335566122	1087000	842383000	10617794	4.34	10.24
SOAPSTONE,TALC	TONNES	16313	1697535	0	3877000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	0	30468000	1994899	.00	.00
STONE	TONNES	36006256	122858916	107843000	357715000	2721554220	1.32	3.96
SULPHUR	TONNES	541655	13440942	8551000	473008000	56635000	.96	15.10
TANTALUM(TA205)	KILOGRAMS	0	0	115000	21811000	575155	.00	19.99
TELLURIUM	KILOGRAMS	4906	246560	15000	754000	204271	2.40	7.34
TIN	KILOGRAMS	103012	1989997	243000	5389000	223800000	.05	.11
TUNGSTEN(WO3)	KILOGRAMS	0	0	4007000	552425	54122642	.00	7.40
URANIUM(U)	KILOGRAMS	4429058	464099607	6774000	702684000	43975690	10.07	15.40
ZINC	KILOGRAMS	253329025	242806654	885489000	859895000	5761000000	4.40	15.37
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1980			4550549883		31525503425			

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
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GW R12.DAT

February 17, 1983

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1981

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE $	CANADA VOLUME	CANADA VALUE $	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
ASBESTOS	TONNES	0	0	1122000	548406000	4725533	.00	23.74
BARITE	TONNES	5000	1100000	0	5124000	N/A	N/A	N/A
BISMUTH	KILOGRAMS	312	2170	169000	1121000	3356584	.01	5.03
CADMIUM	KILOGRAMS	609215	2959469	834000	4069000	17283230	3.52	4.83
CALCIUM	KILOGRAMS	469403	3512073	469000	3512000	N/A	N/A	N/A
CEMENT	TONNES	3787237	205062550	9538000	635005000	879979198	.43	1.08
CLAY PRODUCTS	N/A	0	66660263	0	118011000	N/A	N/A	N/A
COAL	TONNES	0	0	40088000	1072500000	N/A	N/A	N/A
COBALT	KILOGRAMS	1831319	94392310	2080000	108382000	31251607	5.86	6.66
COLUMBIUM(CB205)	KILOGRAMS	0	0	2741000	18612000	15775489	.00	17.38
COPPER	KILOGRAMS	226384780	521019544	691876000	1551057000	8321500000	2.72	8.31
GOLD	GRAMS	18307895	333797134	52101000	932647000	1268499315	1.44	4.11
GYPSUM	TONNES	649546	5477033	7062000	47101000	73119090	.89	9.66
IRON ORE	TONNES	5394620	245462549	49525000	1746159000	866688013	.62	5.71
LEAD	KILOGRAMS	3383521	4008744	268553000	264273000	3480200000	.10	7.72
LIME	TONNES	1836168	94699716	2495000	141759000	116943370	1.57	2.13
MAGNESIUM	KILOGRAMS	8548042	29439456	8548000	29439000	311469180	2.74	2.74
MAGNETITE	TONNES	7218	78214	7218	78214	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	12850000	218799000	109037709	.00	11.78
NATURAL GAS	K CU METRE	419271	34556335	73825000	6420777000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	18883000	2098376000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	587565	17531692	588000	17532000	N/A	N/A	N/A
NICKEL	KILOGRAMS	130268510	1001217989	160248000	1235708000	700318497	18.60	22.88
PEAT	TONNES	9205	1201993	462000	51822000	204079372	.00	.23
PETROLEUM	CU METRE	89983	11111980	74553000	9454122000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	11905	136239362	11905	136239000	212227	5.61	5.61
POTASH	TONNES	0	0	6549000	990418000	27357000	.00	23.94
PYRITE PYRRHOTITE	TONNES	0	0	10000	110000	10260000	.00	.10
QUARTZ	TONNES	427189	9787492	1263000	33511000	N/A	N/A	N/A
SALT	TONNES	4968503	80888513	7241000	133356000	166110969	2.99	4.36
SAND & GRAVEL	TONNES	70191371	134335610	252350000	505751000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	28576	679823	246000	8375000	1339886	2.13	18.36
SILVER	KILOGRAMS	328779	136969048	1134000	463457000	10933466	3.01	10.37
SOAPSTONE,TALC	TONNES	18229	2591565	18000	4951000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	0	39401000	2080175	.00	.00
STONE	TONNES	37546346	126905736	91957000	321926000	2540117272	1.48	3.62
SULPHUR	TONNES	446837	18578353	8801000	688593000	55669000	.80	15.81
TANTALUM(TA205)	KILOGRAMS	0	0	104000	23165000	470375	.00	22.11
TELLURIUM	KILOGRAMS	4445	159575	31000	1094000	N/A	N/A	N/A
TIN	KILOGRAMS	88774	1479882	239000	3767000	200449000	.04	.12
TUNGSTEN(WO3)	KILOGRAMS	0	0	2515000	0	52344559	.00	4.80
URANIUM(U)	KILOGRAMS	4859497	522011958	7507000	790418000	43509500	11.17	17.25
ZINC	KILOGRAMS	246030807	286283503	911182000	1081671000	6100200000	4.03	14.94
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1981			4130201634		31950594214			

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February 17, 1983

GW R12.DAT

VOLUME AND VALUE OF MINERAL PRODUCTION IN 1982

IN ONTARIO, CANADA AND THE WORLD

MINERAL COMMODITY	UNIT OF VOLUME	ONTARIO VOLUME	ONTARIO VALUE	CANADA VOLUME	CANADA VALUE	WORLD VOLUME	ONTARIO VOLUME AS % OF WORLD VOLUME	CANADA VOLUME AS % OF WORLD VOLUME
			$		$			
ANTIMONY	KILOGRAMS	0	0	224000	4172000	N/A	N/A	N/A
ASBESTOS	TONNES	0	0	822000	402995000	N/A	N/A	N/A
BARITE	TONNES	0	1000000	0	2359000	N/A	N/A	N/A
BISMUTH	KILOGRAMS	2000	11000	126000	762000	N/A	N/A	N/A
CADMIUM	KILOGRAMS	475000	1437000	739000	2235000	N/A	N/A	N/A
CEMENT	TONNES	2800000	215208000	7832000	610387000	N/A	N/A	N/A
CLAY PRODUCTS	N/A	0	50946000	0	94656000	N/A	N/A	N/A
COAL	TONNES	0	0	43200000	1297800000	N/A	N/A	N/A
COBALT	KILOGRAMS	1188000	36976000	1458000	45379000	N/A	N/A	N/A
COLUMBIUM(CB205)	KILOGRAMS	0	0	3126000	20944000	N/A	N/A	N/A
COPPER	KILOGRAMS	1 2873000	336307000	606202000	1179767000	N/A	N/A	N/A
GEMSTONES	KILOGRAMS	0	65000	0	186000	N/A	N/A	N/A
GOLD	GRAMS	19802000	293856000	62456000	929378000	N/A	N/A	N/A
GYPSUM	TONNES	506000	4506000	5725000	42577000	N/A	N/A	N/A
IRON ORE	TONNES	3748000	187309000	34495000	1211657000	N/A	N/A	N/A
IRON, REMELT	TONNES	0	0	0	105872000	N/A	N/A	N/A
LEAD	KILOGRAMS	6251000	4527000	290292000	210203000	N/A	N/A	N/A
LIME	TONNES	1463000	99484000	2058000	148861000	N/A	N/A	N/A
MAGNESITIC DOLOMITE	TONNES	0	0	0	13556000	N/A	N/A	N/A
MOLYBDENUM	KILOGRAMS	0	0	15232000	327077000	N/A	N/A	N/A
NATURAL GAS	K CU METRE	407000	38195000	73782000	7081678000	N/A	N/A	N/A
NATURAL GAS BY-PROD.	CUBIC METR	0	0	17965000	2154702000	N/A	N/A	N/A
NEPHELINE SYENITE	TONNES	518000	17338000	518000	17338000	N/A	N/A	N/A
NICKEL	KILOGRAMS	63065000	412930000	88745000	581074000	N/A	N/A	N/A
PEAT	TONNES	4000	525000	446000	54399000	N/A	N/A	N/A
PETROLEUM	CU METRE	89000	13764000	71097000	11627923000	N/A	N/A	N/A
PLATINUM GROUP	KILOGRAMS	8590	98889000	8590	98889000	N/A	N/A	N/A
POTASH	TONNES	0	0	5196000	625658000	N/A	N/A	N/A
PYRITE PYRRHOTITE	TONNES	0	0	20000	220000	N/A	N/A	N/A
QUARTZ	TONNES	295000	7805000	1262000	32880000	N/A	N/A	N/A
SALT	TONNES	5479000	97701000	8076000	161452000	N/A	N/A	N/A
SAND & GRAVEL	TONNES	60000000	125000000	192227000	441014000	N/A	N/A	N/A
SELENIUM	KILOGRAMS	28000	526000	197000	3752000	N/A	N/A	N/A
SILVER	KILOGRAMS	345000	108448000	1204000	378761000	N/A	N/A	N/A
SOAPSTONE,TALC	TONNES	0	3429000	0	5456000	N/A	N/A	N/A
SODIUM SULPHATE	TONNES	0	0	0	47592000	N/A	N/A	N/A
STONE	TONNES	32000000	128000000	63729000	262196000	N/A	N/A	N/A
SULPHUR	TONNES	236000	14543000	7687000	641329000	N/A	N/A	N/A
TANTALUM(TA205)	KILOGRAMS	0	0	60000	7947000	N/A	N/A	N/A
TELLURIUM	KILOGRAMS	3000	103000	19000	723000	N/A	N/A	N/A
TIN	KILOGRAMS	34000	601000	154000	2750000	N/A	N/A	N/A
TITANIUM DIOXIDE	TONNES	0	0	0	106006000	N/A	N/A	N/A
TUNGSTEN(WO3)	KILOGRAMS	0	0	3053000	0	N/A	N/A	N/A
URANIUM(U)	KILOGRAMS	4955000	550586000	8189000	815185000	N/A	N/A	N/A
ZINC	KILOGRAMS	256483000	275204000	1032653000	1108687000	N/A	N/A	N/A
TOTAL VALUE OF ALL MINERAL COMMODITIES IN 1982			3125219000		32908434000			

NOTE: THE 1982 DATA ARE PRELIMINARY ESTIMATES AND CAN VARY WIDELY (+/-25% OR MORE)
FROM THE FINAL CENSUS DATA COLLECTED DURING 1983.

NOTE: VALUE OF LIME AND VALUE OF CEMENT PRODUCED IN ONTARIO EXCLUDE THE VALUE OF STONE USED TO PRODUCE THE LIME AND CEMENT.
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AND THIS EDITED DATA TENDS TO BE MUCH MORE ACCURATE.

GW R12.DAT February 17, 1983

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PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1982

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	3100	500	0	0	0	7700	20100	11800	0	0	43200
	$	0	0	170000	24500	0	0	0	75500	392800	635000	0	0	1297800
NATURAL GAS	KCU.M	0	0	0	2	0	407	0	1294	65292	6641	0	146	73782
	$	0	0	0	42	0	38195	0	30858	6659091	337041	0	16451	7081678
NATURAL GAS BY-PROD.	CU.M	0	0	0	0	0	0	0	84	17650	231	0	0	17965
	$	0	0	0	0	0	0	0	9226	2117663	27813	0	0	2154702
PETROLEUM, CRUDE	CU.M	0	0	0	1	0	89	561	7360	60878	2050	0	158	71097
	$	0	0	0	29	0	13764	85920	1066813	10123968	324466	0	12963	11627923
TOTAL, FUELS	$	0	0	170000	24571	0	51959	85920	1182397	19293522	1324320	0	29414	22162103
OTHER MINERALS	$	0	0	0	168	12803	31887	0	0	0	5044	0	107613	157515
TOTAL, OTHER MINERALS	$	0	0	0	168	12803	31887	0	0	0	5044	0	107613	157515

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1982

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	0	0	0	0	0	0	224	0	0	224
	$	0	0	0	2956	0	0	0	0	0	1216	0	0	4172
BISMUTH	KG	0	0	0	115	0	2	0	0	0	9	0	0	126
	$	0	0	0	697	0	11	0	0	0	54	0	0	762
CADMIUM	KG	11	0	0	0	67	475	40	7	0	139	0	0	739
	$	32	0	0	0	203	1437	121	22	0	420	0	0	2235
COBALT	KG	0	0	0	0	0	1188	270	0	0	0	0	0	1458
	$	0	0	0	0	0	36976	8403	0	0	0	0	0	45379
COLUMBIUM(CB205)	KG	0	0	0	0	3126	0	0	0	0	0	0	0	3126
	$	0	0	0	0	20944	0	0	0	0	0	0	0	20944
COPPER	KG	2474	0	0	12851	90572	172873	47972	4460	0	267513	7236	251	606202
	$	4813	0	0	25000	176660	336307	93325	8677	0	520419	14077	489	1179767
GOLD	G	78	0	0	201	23214	19802	1612	273	11	7458	2858	6949	62456
	$	1158	0	0	2989	346943	293856	23922	4051	161	110708	42430	103160	929378
IRON ORE	TONNE	17853	0	0	0	12122	3748	0	0	0	772	0	0	34495
	$	558498	0	0	0	446252	187309	0	0	0	19598	0	0	1211657
IRON, REMELT	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	105872	0	0	0	0	0	0	0	105872
LEAD	KG	1151	0	0	81840	0	6251	783	0	0	83119	35838	81310	290292
	$	833	0	0	59261	0	4527	567	0	0	60188	25950	58877	210203
MOLYBDENUM	KG	0	0	0	0	290	0	0	0	0	14942	0	0	15232
	$	0	0	0	0	6219	0	0	0	0	320858	0	0	327077
NICKEL	KG	0	0	0	0	0	63065	25680	0	0	0	0	0	88745
	$	0	0	0	0	0	412930	168144	0	0	0	0	0	581074
PLATINUM GROUP	G	0	0	0	0	0	8590	0	0	0	0	0	0	8590
	$	0	0	0	0	0	98889	0	0	0	0	0	0	98889
SELENIUM	KG	0	0	0	0	132	28	35	2	0	0	0	0	197
	$	0	0	0	0	2520	526	662	44	0	0	0	0	3752
SILVER	KG	1	0	0	243	54	345	25	4	0	458	70	4	1204
	$	225	0	0	76310	16967	108448	7973	1405	0	144111	22141	1181	378761
TANTALUM(TA205)	KG	0	0	0	0	0	0	60	0	0	0	0	0	60
	$	0	0	0	0	0	0	7947	0	0	0	0	0	7947
TELLURIUM	KG	0	0	0	0	11	3	3	2	0	0	0	0	19
	$	0	0	0	0	429	103	110	81	0	0	0	0	723
TIN	KG	0	0	0	0	0	34	0	0	0	120	0	0	154
	$	0	0	0	0	0	601	0	0	0	2149	0	0	2750
TUNGSTEN(WO3)	KG	0	0	0	0	0	0	0	0	0	105	0	2948	3053
	$	0	0	0	0	0	0	0	0	0	0	0	0	0
URANIUM(U)	KG	0	0	0	0	0	4955	0	3234	0	0	0	0	8189
	$	0	0	0	0	0	550586	0	264599	0	0	0	0	815185
ZINC	KG	26239	0	0	247360	65407	256483	32288	4325	0	63955	58961	277635	1032653
	$	28154	0	0	265416	70842	275204	34644	4640	0	68623	63264	297900	1108687
TOTAL, METALLIC MINERAL	$	593713	0	0	432629	1193851	2307710	345818	283519	161	1248344	167862	461607	7035214

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1982

	X 1000	NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
NON-METALLIC MINERAL														
ASBESTOS	TONNE	13	0	0	0	731	0	0	0	0	78	0	0	822
	$	9572	0	0	0	324992	0	0	0	0	68431	0	0	402995
BARITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	560	0	72	0	0	1000	0	0	0	727	0	0	2359
GEMSTONES	KG	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	65	0	0	0	121	0	0	186
GYPSUM	TONNE	416	0	4290	10	0	506	88	0	0	415	0	0	5725
	$	3321	0	27738	52	0	4506	1492	0	0	5468	0	0	42577
MAGNESITIC DOLOMITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	12500	0	0	0	0	1056	0	0	13556
NEPHELINE SYNITE	TONNE	0	0	0	0	0	518	0	0	0	0	0	0	518
	$	0	0	0	0	0	17338	0	0	0	0	0	0	17338
PEAT	TONNE	0	0	11	111	199	4	47	4	53	17	0	0	446
	$	0	0	1200	12819	18334	525	9425	673	8250	3173	0	0	54399
POTASH(K2O)	TONNE	0	0	0	0	0	0	0	5196	0	0	0	0	5196
	$	0	0	0	0	0	0	0	625658	0	0	0	0	625658
PYRITE PYRRHOTITE	TONNE	0	0	0	0	20	0	0	0	0	0	0	0	20
	$	0	0	0	0	220	0	0	0	0	0	0	0	220
QUARTZ	TONNE	0	0	0	0	706	267	164	97	0	0	0	0	1234
	$	1632	0	1401	1400	13781	7805	2688	1049	3088	36	0	0	32880
SALT	TONNE	0	0	1142	0	150	5479	0	402	903	0	0	0	8076
	$	0	0	30979	0	2300	97701	0	14363	16109	0	0	0	161452
SOAPSTONE,TALC	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	552	0	0	0	1475	3429	0	0	0	0	0	0	5456
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	0	0	43984	3608	0	0	0	47592
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	22	0	0	6827	259	0	0	7108
	$	0	0	0	0	0	1870	0	0	580295	18137	0	0	600302
SULPHUR SMELTER GAS	TONNE	0	0	0	85	79	214	0	0	0	201	0	0	579
	$	0	0	0	5835	12336	12673	0	0	0	10183	0	0	41027
TITANIUM DIOXIDE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	106006	0	0	0	0	0	0	0	106006
TOTAL, NON-METALLIC MINERAL	$	15637	0	61390	20106	491944	146912	13605	685727	611350	107332	0	0	2154003

PRELIMINARY ESTIMATE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1982

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
STRUCTURAL MATERIAL														
CEMENT	TONNE	0	0	0	0	2307	2800	275	206	1468	776	0	0	7832
	$	4304	0	27670	13066	129987	215208	21137	15833	112830	70352	0	0	610387
CLAY PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	0	0
	$	821	0	4500	2200	13720	50946	1776	3477	12251	4965	0	0	94656
LIME	TONNE	0	0	0	0	329	1463	0	0	159	107	0	0	2058
	$	0	0	0	3944	22444	99484	5100	0	10812	7077	0	0	148861
SAND AND GRAVEL	TONNE	2775	400	9550	6100	34209	60000*	12800	8200	29000	29193	0	0	192227
	$	9380	2054	24206	9635	46479	125000*	27900	20037	111978	64345	0	0	441014
STONE	TONNE	490	0	800	2500	23301	32000*	1800	0	325	2513	0	0	63729
	$	2058	0	4320	10425	94823	128000*	10098	0	2542	9930	0	0	262196
TOTAL, STRUCTURAL MATERIAL	$	16563	2054	60696	39270	307453	618638	66011	39347	250413	156669	0	0	1557114
GRAND TOTAL 1982	$	625913	2054	292086	516744	2006051	3157106	511354	2190990	20155446	2841709	167862	598634	33065949
GRAND TOTAL 1981	$	1030263	1616	268830	530965	2419946	4130874	642101	2292572	17559491	2752185	235575	447436	32311854
GRAND TOTAL 1980	$	1035653	2340	246738	372522	2466795	4551105	802575	2314616	16378970	2795338	361257	424501	31752410
GRAND TOTAL 1979	$	1124520	1994	209607	479627	2164546	3240609	652730	1873772	12899068	2676737	299244	434978	26057432

* THE PRELIMINARY ESTIMATES OF ANY MINERAL CAN VARY WIDELY FROM THE REVISED STATISTICS FIGURES DETERMINED LATER BY CENSUS. THE FIGURES FOR SAND & GRAVEL AND STONE ARE PARTICULARLY DIFFICULT TO ESTIMATE. LAST YEAR THE PRELIMINARY ESTIMATES FOR SAND & GRAVEL AND STONE WERE WITHIN 7% OF THE MINERAL STATISTICS. THIS YEAR THE PRELIMINARY ESTIMATE OF 1982 PRODUCTION COULD BE OUT BY 25% OR MORE.

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1981

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	2539	524	0	0	0	6798	18446	11781	0	0	40088
	$	0	0	128450	21600	0	0	0	55900	325750	540800	0	0	1072500
NATURAL GAS	KCU.M	0	0	0	2	0	419	0	1265	64306	7511	0	322	73825
	$	0	0	0	42	0	34556	0	22685	5993990	332384	0	37120	6420777
NATURAL GAS BY-PROD.	CU.M	0	0	0	0	0	0	0	84	18526	273	0	0	18883
	$	0	0	0	0	0	0	0	8301	2062154	27921	0	0	2098376
PETROLEUM, CRUDE	CU.M	0	0	0	1	0	90	542	7410	64274	2064	0	172	74553
	$	0	0	0	29	0	11112	64251	822931	8303712	238793	0	13294	9454122
TOTAL, FUELS														
	$	0	0	128450	21671	0	45668	64251	909817	16685606	1139898	0	50414	19045775
OTHER MINERALS														
OTHER MINERALS		0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	395	4261	0	244	0	0	3051	0	93005	100956
TOTAL, OTHER MINERALS														
	$	0	0	0	395	4261	0	244	0	0	3051	0	93005	100956

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1981

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	0	0	0	0	0	0	68	0	0	68
	$	0	0	0	2760	0	0	0	0	0	361	0	0	3121
BISMUTH	KG	0	0	0	146	0	1	0	0	0	22	0	0	169
	$	0	0	0	1017	0	2	0	0	0	102	0	0	1121
CADMIUM	KG	16	0	10	0	69	609	21	7	0	102	0	0	834
	$	78	0	52	0	340	2959	103	33	0	504	0	0	4069
CALCIUM	KG	0	0	0	0	0	469	0	0	0	0	0	0	469
	$	0	0	0	0	0	3512	0	0	0	0	0	0	3512
COBALT	KG	0	0	0	0	0	1831	249	0	0	0	0	0	2080
	$	0	0	0	0	0	94392	13990	0	0	0	0	0	108382
COLUMBIUM(CB205)	KG	0	0	0	0	2741	0	0	0	0	0	0	0	2741
	$	0	0	0	0	18612	0	0	0	0	0	0	0	18612
COPPER	KG	5154	0	0	12034	89908	226385	55983	4956	0	288085	9094	277	691876
	$	11404	0	0	26629	198949	521020	123878	10967	0	637474	20123	613	1551057
GOLD	G	209	0	0	196	17311	18308	1304	305	48	7680	1915	4825	52101
	$	3707	0	0	3482	306758	333797	23108	5412	847	136100	33941	85495	932647
IRON ORE	TONNE	25686	0	0	0	17842	5395	0	0	0	602	0	0	49525
	$	886843	0	0	0	599546	245463	0	0	0	14307	0	0	1746159
IRON,REMELT	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	113125	0	0	0	0	0	0	0	113125
LEAD	KG	2749	0	11716	68373	2	3384	480	0	0	80357	55970	45522	268553
	$	2699	0	11499	67108	2	4009	471	0	0	78870	54935	44680	264273
MAGNESIUM	KG	0	0	0	0	0	8548	0	0	0	0	0	0	8548
	$	0	0	0	0	0	29439	0	0	0	0	0	0	29439
MOLYBDENUM	KG	0	0	0	0	976	0	0	0	0	11874	0	0	12850
	$	0	0	0	0	21903	0	0	0	0	196896	0	0	218799
NICKEL	KG	0	0	0	0	0	130269	29979	0	0	0	0	0	160248
	$	0	0	0	0	0	1001218	234490	0	0	0	0	0	1235708
PLATINUM GROUP	G	0	0	0	0	0	11905	0	0	0	0	0	0	11905
	$	0	0	0	0	0	136239	0	0	0	0	0	0	136239
SELENIUM	KG	0	0	0	0	172	29	45	0	0	0	0	0	246
	$	0	0	0	0	5848	680	1539	308	0	0	0	0	8375
SILVER	KG	7	0	1	193	58	329	26	5	0	402	80	33	1134
	$	2899	0	337	78215	23511	136969	10438	2258	2	163024	32339	13465	463457
TANTALUM(TA205)	KG	0	0	0	0	0	0	104	0	0	0	0	0	104
	$	0	0	0	0	0	0	23165	0	0	0	0	0	23165
TELLURIUM	KG	0	0	0	0	21	4	5	1	0	0	0	0	31
	$	0	0	0	0	719	160	172	43	0	0	0	0	1094
TIN	KG	0	0	0	0	0	89	0	0	0	150	0	0	239
	$	0	0	0	0	0	1480	0	0	0	2287	0	0	3767
TUNGSTEN(WO3)	KG	0	0	0	0	0	0	0	0	0	0	0	2515	2515
	$	0	0	0	0	0	0	0	0	0	0	0	0	0
URANIUM(U)	KG	0	0	0	0	0	4859	0	2648	0	0	0	0	7507
	$	0	0	0	0	0	522012	0	268406	0	0	0	0	790418
ZINC	KG	39971	0	5475	228608	53200	246031	39540	6732	0	79215	78806	133604	911182
	$	47797	0	6547	273369	63616	286284	47282	8050	0	94725	94237	159764	1081671
TOTAL, METALLIC MINERAL	$	955427	0	18435	452580	1352929	3319635	478636	295477	849	1324650	235575	304017	8738210

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1981

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
NON-METALLIC MINERAL	X 1000													
ASBESTOS	TONNE	70	0	0	0	961	0	0	0	0	91	0	0	1122
	$	51592	0	0	0	420044	0	0	0	0	76770	0	0	548406
BARITE	TONNE	0	0	0	0	0	5	0	0	0	0	0	0	5
	$	0	0	27	0	0	1100	0	0	0	3997	0	0	5124
FELDSPAR	TONNE	0	0	0	0	0	1	0	0	0	0	0	0	1
	$	0	0	0	0	0	18	0	0	0	0	0	0	18
GEMSTONES	KG	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	54	0	0	0	134	0	0	188
GYPSUM	TONNE	512	0	4993	20	0	650	202	0	0	685	0	0	7062
	$	3824	0	29458	87	0	5477	2450	0	0	5805	0	0	47101
MAGNESITIC DOLOMITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	11472	0	0	0	0	0	0	0	11472
MAGNETITE	TONNE	0	0	0	0	0	7	0	0	0	0	0	0	7
	$	0	0	0	0	0	78	0	0	0	0	0	0	78
NEPHELINE SYENITE	TONNE	0	0	0	0	0	588	0	0	0	0	0	0	588
	$	0	0	0	0	0	17532	0	0	0	0	0	0	17532
PEAT	TONNE	0	0	10	94	190	9	78	5	45	31	0	0	462
	$	0	0	1551	9985	15359	1202	11356	723	6512	5134	0	0	51822
POTASH(K20)	TONNE	0	0	0	0	0	0	0	6549	0	0	0	0	6549
	$	0	0	0	0	0	0	0	990418	0	0	0	0	990418
PYRITE PYRRHOTITE	TONNE	0	0	0	0	10	0	0	0	0	0	0	0	10
	$	0	0	0	0	110	0	0	0	0	0	0	0	110
QUARTZ	TONNE	0	0	0	0	694	427	0	142	0	0	0	0	1263
	$	768	0	2334	1000	12950	9787	2284	1169	3173	46	0	0	33511
SALT	TONNE	0	0	1029	0	0	4969	0	388	855	0	0	0	7241
	$	0	0	26809	0	0	80889	0	12020	13638	0	0	0	133356
SERPENTINE FILLER	TONNE	0	0	0	0	0	4	0	0	0	0	0	0	4
	$	0	0	0	0	0	488	0	0	0	0	0	0	488
SOAPSTONE,TALC	TONNE	0	0	0	0	0	18	0	0	0	0	0	0	18
	$	1003	0	0	0	1356	2592	0	0	0	0	0	0	4951
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	0	0	36374	3030	0	0	0	39404
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	29	0	0	7709	280	0	0	8018
	$	0	0	0	0	0	1842	0	0	626140	19670	0	0	647652
SULPHUR SMELTER GAS	TONNE	0	0	0	85	55	418	0	0	0	225	0	0	783
	$	0	0	0	5478	8059	16736	0	0	0	10668	0	0	40941
TERRAZZO CHIPS	TONNE	0	0	0	0	0	2	0	0	0	0	0	0	2
	$	0	0	0	0	0	111	0	0	0	0	0	0	111
TITANIUM DIOIDE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	131669	0	0	0	0	0	0	0	131669
TOTAL, NON-METALLIC MINERAL	$	57187	0	60179	16550	601019	137906	16090	1040704	652493	122224	0	0	2704352

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1981

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
STRUCTURAL MATERIAL														
CEMENT	TONNE	0	0	0	0	2573	3787	627	369	1445	737	0	0	9538
	$	5580	0	31549	15304	168919	205063	41132	24205	94848	48405	0	0	635005
CLAY PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	0	0
	$	921	0	2926	1415	16797	66660	2020	3964	15308	8000	0	0	118011
LIME	TONNE	0	0	0	0	365	1836	0	0	183	111	0	0	2495
	$	0	0	0	2935	21956	94700	4450	0	11047	6671	0	0	141759
SAND AND GRAVEL	TONNE	2818	330	9548	6282	74729	70191	11716	7909	26465	42362	0	0	252350
	$	9074	1616	23047	9450	99471	134336	25425	18405	97323	87604	0	0	505751
STONE	TONNE	519	0	825	2688	44961	37546	1845	0	271	3275	0	0	91930
	$	2074	0	4244	10665	154594	126906	9853	0	2017	11682	0	0	322035
TOTAL, STRUCTURAL MATERIAL	$	17649	1616	61766	39769	461737	627665	82880	46574	220543	162362	0	0	1722561
GRAND TOTAL 1981	$	1030263	1616	268830	530965	2419946	4130874	642101	2292572	17559491	2752185	235575	447436	32311854

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1980

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	2726	439	0	0	0	5971	17396	10156	0	0	36688
	$	0	0	133245	16880	0	0	0	34235	302210	445430	0	0	932000
NATURAL GAS	KCM3	0	0	0	2	0	445	0	1316	76102	8876	22	427	87190
	$	0	0	0	42	0	33481	0	20932	5748746	304183	1354	46268	6155006
NATURAL GAS BY-PROD.	CM3	0	0	0	0	0	0	0	119	18729	299	0	0	19147
	$	0	0	0	0	0	0	0	10145	1789858	25145	0	0	1825148
PETROLEUM, CRUDE	CM3	0	0	0	1	0	94	563	9347	71273	2039	0	161	83478
	$	0	0	0	29	0	9787	54977	864036	7905422	192796	0	10894	9037941
TOTAL, FUELS														
	$	0	0	133245	16951	0	43268	54977	929348	15746236	967554	1354	57162	17950095

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1980

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	0	0	0	0	0	0	79	0	0	79
	$	0	0	0	6643	0	0	0	0	0	416	0	0	7059
BISMUTH	KG	0	0	0	126	0	0	0	0	0	23	0	0	149
	$	0	0	0	855	0	0	0	0	0	160	0	0	1015
CADMIUM	KG	30	0	5	0	98	779	24	6	0	92	0	0	1034
	$	218	0	37	0	719	5283	177	39	0	677	0	0	7150
CALCIUM	KG	0	0	0	0	0	531	0	0	0	0	0	0	531
	$	0	0	0	0	0	3422	0	0	0	0	0	0	3422
COBALT	KG	0	0	0	0	0	1686	432	0	0	0	0	0	2118
	$	0	0	0	0	0	106901	27847	0	0	0	0	0	134748
COLUMBIUM(CB205)	KG	0	0	0	0	2463	0	0	0	0	0	0	0	2463
	$	0	0	0	0	15302	0	0	0	0	0	0	0	15302
COPPER	KG	4879	0	0	9092	97728	245024	64751	5194	0	264675	10433	262	702038
	$	12667	0	0	23601	253696	631189	168091	13485	0	687081	27082	679	1817570
GOLD	G	234	0	0	129	15548	18497	1591	360	133	7477	2555	4209	50733
	$	5381	0	0	2965	357954	403893	36626	8287	3060	172151	58830	96920	1146067
IRON ORE	TONNE	24620	0	0	0	17449	6569	0	0	0	654	0	0	49292
	$	895558	0	0	0	531011	261999	0	0	0	13670	0	0	1702238
IRON,REMELT	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	118990	0	0	0	0	0	0	0	118990
LEAD	KG	4347	0	2567	42551	88	8960	576	0	0	76710	65771	51337	252907
	$	4729	0	2793	46295	96	9088	627	0	0	83459	71558	55853	274498
MAGNESIUM	KG	0	0	0	0	0	9252	0	0	0	0	0	0	9252
	$	0	0	0	0	0	27822	0	0	0	0	0	0	27822
MOLYBDENUM	KG	0	0	0	0	709	0	0	0	0	11180	0	0	11889
	$	0	0	0	0	17859	0	0	0	0	281464	0	0	299323
NICKEL	KG	0	0	0	0	0	145607	39194	0	0	0	0	0	184801
	$	0	0	0	0	0	1154869	342556	0	0	0	0	0	1497425
PLATINUM GROUP	G	0	0	0	0	0	12776	0	0	0	0	0	0	12776
	$	0	0	0	0	0	158923	0	0	0	0	0	0	158923
SELENIUM	KG	0	0	0	0	171	43	54	11	0	0	0	0	279
	$	0	0	0	0	6088	1069	1347	275	0	0	0	0	8779
SILVER	KG	9	0	0	117	59	461	31	6	0	204	147	53	1087
	$	7185	0	22	90646	45881	335566	23647	4422	24	157905	114120	41331	820749
TANTALUM(TA205)	KG	0	0	0	0	0	0	115	0	0	0	0	0	115
	$	0	0	0	0	0	0	21810	0	0	0	0	0	21810
TELLURIUM	KG	0	0	0	0	4	5	5	1	0	0	0	0	15
	$	0	0	0	0	185	247	268	55	0	0	0	0	755
TIN	KG	0	0	0	0	0	103	0	0	0	140	0	0	243
	$	0	0	0	0	0	1990	0	0	0	3100	0	0	5090
TUNGSTEN(WO3)	KG	0	0	0	0	0	0	0	0	0	0	0	4007	4007
	$	0	0	0	0	0	0	0	0	0	0	0	0	0
URANIUM(U)	KG	0	0	0	0	0	4429	0	2345	0	0	0	0	6774
	$	0	0	0	0	0	464100	0	238584	0	0	0	0	702684
ZINC	KG	44073	0	2470	135583	65599	253329	43055	5276	0	67481	90938	177685	885489
	$	42801	0	2399	131669	63706	242807	41812	5123	0	65534	88313	172556	856720
TOTAL, METALLIC MINERAL	$	968539	0	5251	302674	1411487	3809167	664808	270270	3084	1465617	359903	367339	9628139

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1980

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
NON-METALLIC MINERAL														
ASBESTOS	TONNE	72	0	0	0	1151	0	0	0	0	100	0	0	1323
	$	45151	0	0	0	495526	0	0	0	0	77816	0	0	618493
BARITE	TONNE	0	0	0	0	0	5	0	0	0	0	0	0	5
	$	0	0	0	0	0	500	0	0	0	3630	0	0	4130
GEMSTONES	KG	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	52	0	0	0	1580	0	0	1632
GYPSUM	TONNE	635	0	4988	45	0	740	144	0	0	784	0	0	7336
	$	4312	0	22457	210	0	5729	1009	0	0	5822	0	0	39539
MAGNESITIC DOLOMITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	10404	0	0	0	0	0	0	0	10404
NEPHELINE SYENITE	TONNE	0	0	0	0	0	600	0	0	0	0	0	0	600
	$	0	0	0	0	0	16544	0	0	0	0	0	0	16544
PEAT	TONNE	0	0	14	108	208	8	62	5	32	29	0	0	466
	$	0	0	1874	9666	15761	939	7541	606	3953	4359	0	0	44699
POTASH(K2O)	TONNE	0	0	0	0	0	0	0	7201	0	0	0	0	7201
	$	0	0	0	0	0	0	0	1020705	0	0	0	0	1020705
PYRITE PYRRHOTITE	TONNE	0	0	0	0	32	0	0	0	0	0	0	0	32
	$	0	0	0	0	345	0	0	0	0	0	0	0	345
QUARTZ	TONNE	0	0	0	0	703	399	252	105	0	0	0	0	1459
	$	636	0	1419	509	11022	8235	2537	870	2592	34	0	0	27854
SALT	TONNE	0	0	1018	0	0	4871	0	332	865	0	0	0	7086
	$	0	0	26895	0	0	71401	0	13458	11005	0	0	0	122759
SOAPSTONE,TALC	TONNE	0	0	0	0	0	16	0	0	0	0	0	0	16
	$	1040	0	0	0	1400	1698	0	0	0	0	0	0	4138
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	0	0	27772	2696	0	0	0	30468
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	21	0	0	7497	138	0	0	7656
	$	0	0	0	0	0	906	0	0	434151	9038	0	0	444095
SULPHUR SMELTER GAS	TONNE	0	0	0	64	83	521	0	0	0	227	0	0	895
	$	0	0	0	1531	1995	12535	0	0	0	12848	0	0	28909
TITANIUM DIOXIDE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	117060	0	0	0	0	0	0	0	117060
TOTAL, NON-METALLIC MINERAL	$	51139	0	52645	11916	653513	118539	11087	1063411	454397	115127	0	0	2531774

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1980

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
STRUCTURAL MATERIAL														
CEMENT	TONNE	0	0	0	0	2765	4067	510	370	1155	1351	0	0	10218
	$	6415	0	18379	11762	128999	190793	34680	30200	97000	90881	0	0	609109
CLAY PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	0	0
	$	806	0	5487	2448	13578	58110	1364	3183	13200	10387	0	0	108563
LIME	TONNE	0	0	0	0	366	1683	0	0	184	116	0	0	2349
	$	0	0	0	3343	19859	74389	3500	0	8800	5780	0	0	115671
SAND AND GRAVEL	TONNE	3279	889	9578	6492	64806	77580	9794	9828	24334	45278	0	0	251858
	$	6066	2340	24423	12399	77593	133980	22454	18204	55219	98666	0	0	451344
STONE	TONNE	948	0	1809	3054	54657	36006	2088	0	193	9088	0	0	107843
	$	2688	0	7308	11029	161766	122859	9705	0	1034	41326	0	0	357715
TOTAL, STRUCTURAL MATERIAL	$	15975	2340	55597	40981	401795	580131	71703	51587	175253	247040	0	0	1642402
GRAND TOTAL 1980	$	1035653	2340	246738	372522	2466795	4551105	802575	2314616	16378970	2795338	361257	424501	31752410

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1979

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
FUELS														
COAL	TONNE	0	0	2157	310	0	0	0	5013	15104	10616	0	0	33200
	$	0	0	99675	10310	0	0	0	23695	238185	488135	0	0	860000
NATURAL GAS	KCM3	0	0	0	3	0	292	0	1415	80814	11288	0	614	94426
	$	0	0	0	20	0	21420	0	22477	4418931	348773	0	44224	4855845
NATURAL GAS BY-PROD.	CM3	0	0	0	0	0	0	0	136	19146	382	0	0	19664
	$	0	0	0	0	0	0	0	11768	1408254	28993	0	0	1449015
PETROLEUM, CRUDE	CM3	0	0	0	1	0	92	583	9391	74529	2172	0	142	86910
	$	0	0	0	39	0	8259	48403	728985	6486869	171845	0	7455	7451855
TOTAL, FUELS	$	0	0	99675	10369	0	29679	48403	786925	12552239	1037746	0	51679	14616715

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1979

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
METALLIC MINERAL														
ANTIMONY	KG	0	0	0	0	0	0	0	0	0	177	0	0	177
	$	0	0	0	7432	0	0	0	0	0	918	0	0	8350
BISMUTH	KG	0	0	0	103	0	0	0	0	0	34	0	0	137
	$	0	0	0	800	0	0	0	0	0	174	0	0	974
CADMIUM	KG	70	0	0	0	185	673	33	9	0	239	0	0	1209
	$	498	0	0	0	1322	4796	240	61	0	1704	0	0	8621
CALCIUM	KG	0	0	0	0	0	456	0	0	0	0	0	0	456
	$	0	0	0	0	0	2152	0	0	0	0	0	0	2152
COBALT	KG	0	0	0	0	0	1278	362	0	0	0	0	0	1640
	$	0	0	0	0	0	86300	23044	0	0	0	0	0	109344
COLUMBIUM(CB205)	KG	0	0	0	0	2513	0	0	0	0	0	0	0	2513
	$	0	0	0	0	15292	0	0	0	0	0	0	0	15292
COPPER	KG	8223	0	0	10647	80231	192946	58303	5675	0	272163	7778	397	636363
	$	19495	0	0	27591	190227	457472	138236	13502	0	645293	18442	942	1511200
GOLD	G	396	0	0	251	14721	19173	1361	375	42	8277	1190	5356	51142
	$	4580	0	0	2902	170054	221474	15716	4331	482	95610	13749	61868	590766
IRON ORE	TONNE	30220	0	0	0	20854	7875	0	0	0	668	0	0	59617
	$	963943	0	0	0	543257	287191	0	0	0	13008	0	0	1807399
IRON,REMELT	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	61067	0	0	0	0	0	0	0	61067
LEAD	KG	7013	0	0	72850	190	6969	375	0	0	84452	78250	60646	310745
	$	9265	0	0	96240	251	9206	496	0	0	111568	103374	80118	410518
MAGNESIUM	KG	0	0	0	0	0	9015	0	0	0	0	0	0	9015
	$	0	0	0	0	0	24444	0	0	0	0	0	0	24444
MOLYBDENUM	KG	0	0	0	0	408	0	0	0	0	10767	0	0	11175
	$	0	0	0	0	10796	0	0	0	0	321228	0	0	332024
NICKEL	KG	0	0	0	0	0	88445	38037	0	0	0	0	0	126482
	$	0	0	0	0	0	566279	262338	0	0	0	0	0	828617
PLATINUM GROUP	G	0	0	0	0	0	6157	0	0	0	0	0	0	6157
	$	0	0	0	0	0	56334	0	0	0	0	0	0	56334
SELENIUM	KG	0	0	0	0	174	18	21	5	0	0	0	0	218
	$	0	0	0	0	5530	581	646	151	0	0	0	0	6908
SILVER	KG	14	0	0	187	73	412	26	8	0	214	130	83	1147
	$	5943	0	0	78059	30402	171832	10730	3116	2	89327	54218	34771	478400
TANTALUM(TA205)	KG	0	0	0	0	0	0	159	0	0	0	0	0	159
	$	0	0	0	0	0	0	14521	0	0	0	0	0	14521
TELLURIUM	KG	0	0	0	0	35	3	3	1	0	0	0	0	42
	$	0	0	0	0	1805	162	182	43	0	0	0	0	2192
TIN	KG	0	0	0	0	0	96	0	0	0	241	0	0	337
	$	0	0	0	0	0	1746	0	0	0	3819	0	0	5565
TUNGSTEN(WO3)	KG	0	0	0	0	0	0	0	0	0	0	0	3254	3254
	$	0	0	0	0	0	0	0	0	0	0	0	0	0
URANIUM(U)	KG	0	0	0	0	0	4005	0	2525	0	0	0	0	6530
	$	0	0	0	0	0	375793	0	240375	0	0	0	0	616168
ZINC	KG	52446	0	0	213841	78928	289357	45549	4490	0	88419	113573	213323	1099926
	$	50547	0	0	206099	76070	278881	43900	4328	0	85217	109461	205600	1060103
TOTAL, METALLIC MINERAL	$	1054271	0	0	419123	1106073	2544643	510049	265907	484	1367866	299244	383299	7950959

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1979

	X 1000	NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
NON-METALLIC MINERAL														
ASBESTOS	TONNE	71	0	0	0	1328	0	0	0	0	94	0	0	1493
	$	36242	0	0	0	505699	0	0	0	0	65520	0	0	607461
BARITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	122	0	0	596	0	0	0	1235	0	0	1953
GEMSTONES	KG	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	66	0	0	0	1326	0	0	1392
GYPSUM	TONNE	847	0	5613	59	0	744	135	0	0	721	0	0	8119
	$	5198	0	26386	309	0	4831	858	0	0	3788	0	0	41370
MAGNESITIC DOLOMITE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	8990	0	0	0	0	0	0	0	8990
NEPHELINE SYENITE	TONNE	0	0	0	0	0	606	0	0	0	0	0	0	606
	$	0	0	0	0	0	15180	0	0	0	0	0	0	15180
PEAT	TONNE	0	0	11	125	217	7	42	10	42	26	0	0	480
	$	0	0	1605	9716	14602	676	5010	775	4890	3876	0	0	41150
POTASH(K2O)	TONNE	0	0	0	0	0	0	0	7074	0	0	0	0	7074
	$	0	0	0	0	0	0	0	735246	0	0	0	0	735246
PYRITE PYRRHOTITE	TONNE	0	0	0	0	31	0	0	0	0	0	0	0	31
	$	0	0	0	0	275	0	0	0	0	0	0	0	275
QUARTZ	TONNE	0	0	0	0	607	980	270	109	0	22	0	0	1988
	$	1710	0	1088	430	8928	8965	2598	240	2300	320	0	0	26579
SALT	TONNE	0	0	999	0	0	5188	0	292	402	0	0	0	6881
	$	0	0	23101	0	0	67900	0	10952	7895	0	0	0	109848
SOAPSTONE,TALC	TONNE	0	0	0	0	0	12	0	0	0	0	0	0	12
	$	1025	0	0	0	1500	914	0	0	0	0	0	0	3439
SODIUM SULPHATE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	0	0	0	23150	2061	0	0	0	25211
SULPHUR (ELEMENTAL)	TONNE	0	0	0	0	0	20	0	3	6140	151	0	0	6314
	$	0	0	0	0	0	673	0	36	155096	3837	0	0	159642
SULPHUR SMELTER GAS	TONNE	0	0	0	59	56	316	0	0	0	236	0	0	667
	$	0	0	0	1169	1095	6221	0	0	0	6030	0	0	14515
TITANIUM DIOXIDE	TONNE	0	0	0	0	0	0	0	0	0	0	0	0	0
	$	0	0	0	0	75670	0	0	0	0	0	0	0	75670
TOTAL, NON-METALLIC MINERAL	$	44175	0	52302	11624	616759	106022	8466	770399	172242	85932	0	0	1867921

REVISED STATISTICS OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE, 1979

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTA	B.C.	YUKON	N.W.T.	CANADA
	X 1000													
STRUCTURAL MATERIAL														
CEMENT	TONNE	0	0	0	0	2552	4117	638	342	1336	1407	0	0	10392
	$	6784	0	17238	13501	132952	182252	45530	30524	97482	86900	0	0	613163
CLAY PRODUCTS		0	0	0	0	0	0	0	0	0	0	0	0	0
	$	659	0	9429	2356	18503	60767	3504	3148	12556	8227	0	0	119149
LIME	TONNE	0	0	0	0	438	1318	0	0	162	100	0	0	2018
	$	0	0	0	3097	21402	51921	3399	0	7031	5297	0	0	92147
SAND AND GRAVEL	TONNE	8962	774	9441	5256	79576	90515	12193	10232	25727	41675	0	0	284351
	$	15708	1994	23280	9643	83784	151847	26279	16869	56044	69839	0	0	455287
STONE	TONNE	1262	0	2181	3122	63251	39831	1924	0	186	4354	0	0	116111
	$	2923	0	7683	9914	185073	113478	7100	0	990	14930	0	0	342091
TOTAL, STRUCTURAL MATER:AL	$	26074	1994	57630	38511	441714	560265	85812	50541	174103	185193	0	0	1621837
GRAND TOTAL 1979	$	1124520	1994	209607	479627	2164546	3240609	652730	1873772	12899068	2676737	299244	434978	26057432

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1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	VOLUME	0.0	0.0	22.1	-4.6	0.0	0.0	0.0	13.3	9.0	0.2	0.0	0.0	7.8
	$	0.0	0.0	32.3	13.4	0.0	0.0	0.0	35.1	20.6	17.4	0.0	0.0	21.0
NATURAL GAS	VOLUME	0.0	0.0	0.0	0.0	0.0	-2.9	0.0	2.3	1.5	-11.6	0.0	-54.7	-0.1
	$	0.0	0.0	0.0	0.0	0.0	10.5	0.0	36.0	11.1	1.4	0.0	-55.7	10.3
NATURAL GAS BY-PROD.	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.7	-15.4	0.0	0.0	-4.9
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	2.7	-0.4	0.0	0.0	2.7
PETROLEUM, CRUDE	VOLUME	0.0	0.0	0.0	0.0	0.0	-1.1	3.5	-0.7	-5.3	-0.7	0.0	-8.1	-4.6
	$	0.0	0.0	0.0	0.0	0.0	23.9	33.7	29.6	21.9	35.9	0.0	-2.5	23.0
TOTAL FOR FUELS	$	0.0	0.0	32.3	13.4	0.0	13.8	33.7	30.0	15.6	16.2	0.0	-41.7	16.4

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	229.4	0.0	0.0	229.4
	$	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	236.8	0.0	0.0	33.7
BISMUTH	VOLUME	0.0	0.0	0.0	-21.2	0.0	100.0	0.0	0.0	0.0	-59.1	0.0	0.0	-25.4
	$	0.0	0.0	0.0	-31.5	0.0	450.0	0.0	0.0	0.0	-47.1	0.0	0.0	-32.0
CADMIUM	VOLUME	-31.3	0.0	-100.0	0.0	-2.9	-22.0	90.5	0.0	0.0	36.3	0.0	0.0	-11.4
	$	-59.0	0.0	-100.0	0.0	-40.3	-51.4	17.5	-33.3	0.0	-16.7	0.0	0.0	-45.1
CALCIUM	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
COBALT	VOLUME	0.0	0.0	0.0	0.0	0.0	-35.1	8.4	0.0	0.0	0.0	0.0	0.0	-29.9
	$	0.0	0.0	0.0	0.0	0.0	-60.8	-39.9	0.0	0.0	0.0	0.0	0.0	-58.1
COLUMBIUM(CB205)	VOLUME	0.0	0.0	0.0	0.0	14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.0
	$	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
COPPER	VOLUME	-52.0	0.0	0.0	6.8	0.7	-23.6	-14.3	-10.0	0.0	-7.1	-20.4	-9.4	-12.4
	$	-57.8	0.0	0.0	-6.1	-11.2	-35.5	-24.7	-20.9	0.0	-18.4	-30.0	-20.2	-23.9
GOLD	VOLUME	-62.7	0.0	0.0	2.6	34.1	8.2	23.6	-10.5	-77.1	-2.9	49.2	44.0	19.9
	$	-68.8	0.0	0.0	-14.2	13.1	-12.0	3.5	-25.1	-81.0	-18.7	25.0	20.7	-0.4
IRON ORE	VOLUME	-30.5	0.0	0.0	0.0	-32.1	-30.5	0.0	0.0	0.0	28.2	0.0	0.0	-30.3
	$	-37.0	0.0	0.0	0.0	-25.6	-23.7	0.0	0.0	0.0	37.0	0.0	0.0	-30.6
IRON,REMELT	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	-6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.4
LEAD	VOLUME	-58.1	0.0	-100.0	19.7	-100.0	84.7	63.1	0.0	0.0	3.4	-36.0	78.6	8.1
	$	-69.1	0.0	-100.0	-11.7	-100.0	12.9	20.4	0.0	0.0	-23.7	-52.8	31.8	-20.5
MAGNESIUM	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
MOLYBDENUM	VOLUME	0.0	0.0	0.0	0.0	-70.3	0.0	0.0	0.0	0.0	25.8	0.0	0.0	18.5
	$	0.0	0.0	0.0	0.0	-71.6	0.0	0.0	0.0	0.0	63.0	0.0	0.0	49.5
NICKEL	VOLUME	0.0	0.0	0.0	0.0	0.0	-51.6	-14.3	0.0	0.0	0.0	0.0	0.0	-44.6
	$	0.0	0.0	0.0	0.0	0.0	-58.8	-28.3	0.0	0.0	0.0	0.0	0.0	-53.0
PLATINUM GROUP	VOLUME	0.0	0.0	0.0	0.0	0.0	-27.8	0.0	0.0	0.0	0.0	0.0	0.0	-27.8
	$	0.0	0.0	0.0	0.0	0.0	-27.4	0.0	0.0	0.0	0.0	0.0	0.0	-27.4
SELENIUM	VOLUME	0.0	0.0	0.0	0.0	-23.3	-3.4	-22.2	0.0	0.0	0.0	0.0	0.0	-19.9
	$	0.0	0.0	0.0	0.0	-56.9	-22.6	-57.0	-85.7	0.0	0.0	0.0	0.0	-55.2
SILVER	VOLUME	-85.7	0.0	-100.0	25.9	-6.9	4.9	-3.8	-20.0	0.0	13.9	-12.5	-87.9	6.2
	$	-92.2	0.0	-100.0	-2.4	-27.8	-20.8	-23.6	-37.8	-100.0	-11.6	-31.5	-91.2	-18.3
TANTALUM(TA205)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	-42.3	0.0	0.0	0.0	0.0	0.0	-42.3
	$	0.0	0.0	0.0	0.0	0.0	0.0	-65.7	0.0	0.0	0.0	0.0	0.0	-65.7
TELLURIUM	VOLUME	0.0	0.0	0.0	0.0	-47.6	-25.0	-40.0	100.0	0.0	0.0	0.0	0.0	-38.7
	$	0.0	0.0	0.0	0.0	-40.3	-35.6	-36.0	88.4	0.0	0.0	0.0	0.0	-33.9
TIN	VOLUME	0.0	0.0	0.0	0.0	0.0	-61.8	0.0	0.0	0.0	-20.0	0.0	0.0	-35.6
	$	0.0	0.0	0.0	0.0	0.0	-59.4	0.0	0.0	0.0	-6.0	0.0	0.0	-27.0
TUNGSTEN(WO3)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17.2	21.4
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
URANIUM(U)	VOLUME	0.0	0.0	0.0	0.0	0.0	2.0	0.0	22.1	0.0	0.0	0.0	0.0	9.1
	$	0.0	0.0	0.0	0.0	0.0	5.5	0.0	-1.4	0.0	0.0	0.0	0.0	3.1
ZINC	VOLUME	-34.4	0.0	-100.0	8.2	22.9	4.2	-18.3	-35.8	0.0	-19.3	-25.2	107.8	13.3
	$	-41.1	0.0	-100.0	-2.9	11.4	-3.9	-26.7	-42.4	0.0	-27.6	-32.9	86.5	2.5
TOTAL FOR METALLIC MINERAL	$	-37.9	0.0	-100.0	-4.4	-11.8	-30.5	-27.7	-4.0	-81.0	-5.8	-28.7	51.8	-19.5

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	VOLUME	-81.4	0.0	0.0	0.0	-23.9	0.0	0.0	0.0	0.0	-14.3	0.0	0.0	-26.7
	$	-81.4	0.0	0.0	0.0	-22.6	0.0	0.0	0.0	0.0	-10.9	0.0	0.0	-26.5
BARITE	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	166.7	0.0	0.0	-9.1	0.0	0.0	0.0	-81.8	0.0	0.0	-54.0
FELDSPAR	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
GEMSTONES	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.7	0.0	0.0	38.8
GYPSUM	VOLUME	-18.8	0.0	-14.1	-50.0	0.0	-22.2	-56.4	0.0	0.0	-39.4	0.0	0.0	-18.9
	$	-13.2	0.0	-5.8	-40.2	0.0	-17.7	-39.1	0.0	0.0	-5.8	0.0	0.0	-9.6
MAGNESITIC DOLOMITE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2
MAGNETITE	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
NEPHELINE SYENITE	VOLUME	0.0	0.0	0.0	0.0	0.0	-11.9	0.0	0.0	0.0	0.0	0.0	0.0	-11.9
	$	0.0	0.0	0.0	0.0	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.1
PEAT	VOLUME	0.0	0.0	10.0	18.1	4.7	-55.6	-39.7	-20.0	17.8	-45.2	0.0	0.0	-3.5
	$	0.0	0.0	-22.6	28.4	19.4	-56.3	-17.0	-6.9	26.7	-38.2	0.0	0.0	5.0
POTASH(K20)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-20.7	0.0	0.0	0.0	0.0	-20.7
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-36.8	0.0	0.0	0.0	0.0	-36.8
PYRITE PYRRHOTITE	VOLUME	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
	$	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
QUARTZ	VOLUME	0.0	0.0	0.0	0.0	1.7	-37.5	0.0	-31.7	0.0	0.0	0.0	0.0	-2.3
	$	112.5	0.0	-40.0	40.0	6.4	-20.3	17.7	-10.3	-2.7	-21.7	0.0	0.0	-1.9
SALT	VOLUME	0.0	0.0	11.0	0.0	0.0	10.3	0.0	3.6	5.6	0.0	0.0	0.0	11.5
	$	0.0	0.0	15.6	0.0	0.0	20.8	0.0	19.5	18.1	0.0	0.0	0.0	21.1
SERPENTINE FILLER	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
SOAPSTONE,TALC	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	-45.0	0.0	0.0	0.0	8.8	32.3	0.0	0.0	0.0	0.0	0.0	0.0	10.2
SODIUM SULPHATE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	19.1	0.0	0.0	0.0	20.8
SULPHUR (ELEMENTAL)	VOLUME	0.0	0.0	0.0	0.0	0.0	-24.1	0.0	0.0	-11.4	-7.5	0.0	0.0	-11.3
	$	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-7.3	-7.8	0.0	0.0	-7.3
SULPHUR SMELTER GAS	VOLUME	0.0	0.0	0.0	0.0	43.6	-48.8	0.0	0.0	0.0	-10.7	0.0	0.0	-26.1
	$	0.0	0.0	0.0	6.5	53.1	-24.3	0.0	0.0	0.0	-4.5	0.0	0.0	0.2
TERRAZZO CHIPS	VOLUME	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
TITANIUM DIOXIDE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	-19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-19.5
TOTAL FOR NON-METALLIC MINERAL	$	-72.7	0.0	2.0	21.5	-18.1	6.6	-15.4	-34.1	-6.3	-12.2	0.0	0.0	-20.3

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	VOLUME	0.0	0.0	0.0	0.0	-10.3	-26.1	-56.1	-44.2	1.6	5.3	0.0	0.0	-17.9
	$	-22.9	0.0	-12.3	-14.6	-23.0	4.9	-48.6	-34.6	19.0	45.3	0.0	0.0	-3.9
CLAY PRODUCTS	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	-10.9	0.0	53.8	55.5	-18.3	-23.6	-12.1	-12.3	-20.0	-37.9	0.0	0.0	-19.8
LIME	VOLUME	0.0	0.0	0.0	0.0	-9.9	-20.3	0.0	0.0	-13.1	-3.6	0.0	0.0	-17.5
	$	0.0	0.0	0.0	34.4	2.2	5.1	14.6	0.0	-2.1	6.1	0.0	0.0	5.0
SAND AND GRAVEL	VOLUME	-1.5	21.2	0.0	-2.9	-54.2	-14.5	9.3	3.7	9.6	-31.1	0.0	0.0	-23.8
	$	3.4	27.1	5.0	2.0	-53.3	-6.9	9.7	8.9	15.1	-26.6	0.0	0.0	-12.8
STONE	VOLUME	-5.6	0.0	-3.0	-7.0	-48.2	-14.8	-2.4	0.0	19.9	-23.3	0.0	0.0	-30.7
	$	-0.8	0.0	1.8	-2.3	-38.7	0.9	2.5	0.0	26.0	-15.0	0.0	0.0	-18.6
TOTAL FOR STRUCTURAL MATERIAL	$	-6.2	27.1	-1.7	-1.3	-33.4	-1.4	-20.4	-15.5	13.5	-3.5	0.0	0.0	-9.6

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	$ REAL	0.0	0.0	16.4	-0.2	0.0	0.0	0.0	18.8	6.1	3.3	0.0	0.0	6.4
	$	0.0	0.0	32.3	13.4	0.0	0.0	0.0	35.1	20.6	17.4	0.0	0.0	21.0
NATURAL GAS	$ REAL	0.0	0.0	0.0	-12.0	0.0	-2.8	0.0	19.7	-2.3	-10.8	0.0	-61.0	-3.0
	$	0.0	0.0	0.0	0.0	0.0	10.5	0.0	36.0	11.1	1.4	0.0	-55.7	10.3
NATURAL GAS BY-PROD.	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.2	-9.7	-12.4	0.0	0.0	-9.7
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.1	2.7	-0.4	0.0	0.0	2.7
PETROLEUM, CRUDE	$ REAL	0.0	0.0	0.0	-12.0	0.0	9.0	17.6	14.0	7.2	19.5	0.0	-14.2	8.2
	$	0.0	0.0	0.0	0.0	0.0	23.9	33.7	29.6	21.9	35.9	0.0	-2.5	23.0
TOTAL FOR FUELS	$ REAL	0.0	0.0	16.4	-0.3	0.0	0.1	17.6	14.3	1.7	2.2	0.0	-48.7	2.4
	$	0.0	0.0	32.3	13.4	0.0	13.8	33.7	30.0	15.6	16.2	0.0	-41.7	16.4

" REAL " PERCENT CHANGE IN VALUE IS CALCULATED
AS IN THE FOLLOWING EXAMPLE OF 1981 VS 1980 :

(((1981VALUE / 1981IPI) - (1980VALUE / 1980IPI)) X 100) / (1980VALUE / 1980IPI)

= " REAL " PERCENT CHANGE IN VALUE
WHERE THE 1971 IMPLICIT PRICE INDEX(IPI) = 100

REPORT 14B PAGE 2 19830127

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	$ REAL	0.0	0.0	0.0	-5.8	0.0	0.0	0.0	0.0	0.0	196.3	0.0	0.0	17.6
	$	0.0	0.0	0.0	7.1	0.0	0.0	0.0	0.0	0.0	236.8	0.0	0.0	33.7
BISMUTH	$ REAL	0.0	0.0	0.0	-39.7	0.0	383.8	0.0	0.0	0.0	-53.4	0.0	0.0	-40.2
	$	0.0	0.0	0.0	-31.5	0.0	450.0	0.0	0.0	0.0	-47.1	0.0	0.0	-32.0
CADMIUM	$ REAL	-63.9	0.0	-100.0	0.0	-47.5	-57.3	3.3	-41.4	0.0	-26.7	0.0	0.0	-51.7
	$	-59.0	0.0	-100.0	0.0	-40.3	-51.4	17.5	-33.3	0.0	-16.7	0.0	0.0	-45.1
COBALT	$ REAL	0.0	0.0	0.0	0.0	0.0	-65.5	-47.2	0.0	0.0	0.0	0.0	0.0	-63.2
	$	0.0	0.0	0.0	0.0	0.0	-60.8	-39.9	0.0	0.0	0.0	0.0	0.0	-58.1
COLUMBIUM(CB2O5)	$ REAL	0.0	0.0	0.0	0.0	-1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-1.0
	$	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
COPPER	$ REAL	-62.9	0.0	0.0	-17.4	-21.9	-43.2	-33.7	-30.4	0.0	-28.2	-38.5	-29.8	-33.1
	$	-57.8	0.0	0.0	-6.1	-11.2	-35.5	-24.7	-20.9	0.0	-18.4	-30.0	-20.2	-23.9
GOLD	$ REAL	-72.5	0.0	0.0	-24.5	-0.5	-22.6	-8.9	-34.2	-83.3	-28.4	10.0	6.1	-12.3
	$	-68.8	0.0	0.0	-14.2	13.1	-12.0	3.5	-25.1	-81.0	-18.7	25.0	20.7	-0.4
IRON ORE	$ REAL	-44.6	0.0	0.0	0.0	-34.5	-32.9	0.0	0.0	0.0	20.5	0.0	0.0	-39.0
	$	-37.0	0.0	0.0	0.0	-25.6	-23.7	0.0	0.0	0.0	37.0	0.0	0.0	-30.6
IRON,REMELT	$ REAL	0.0	0.0	0.0	0.0	-17.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-17.7
	$	0.0	0.0	0.0	0.0	-6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-6.4
LEAD	$ REAL	-72.9	0.0	-100.0	-22.3	-100.0	-0.7	5.9	0.0	0.0	-32.9	-58.4	15.9	-30.0
	$	-69.1	0.0	-100.0	-11.7	-100.0	12.9	20.4	0.0	0.0	-23.7	-52.8	31.8	-20.5
MOLYBDENUM	$ REAL	0.0	0.0	0.0	0.0	-75.0	0.0	0.0	0.0	0.0	43.3	0.0	0.0	31.5
	$	0.0	0.0	0.0	0.0	-71.6	0.0	0.0	0.0	0.0	63.0	0.0	0.0	49.5
NICKEL	$ REAL	0.0	0.0	0.0	0.0	0.0	-63.7	-36.9	0.0	0.0	0.0	0.0	0.0	-58.6
	$	0.0	0.0	0.0	0.0	0.0	-58.8	-28.3	0.0	0.0	0.0	0.0	0.0	-53.0
PLATINUM GROUP	$ REAL	0.0	0.0	0.0	0.0	0.0	-36.2	0.0	0.0	0.0	0.0	0.0	0.0	-36.2
	$	0.0	0.0	0.0	0.0	0.0	-27.4	0.0	0.0	0.0	0.0	0.0	0.0	-27.4
SELENIUM	$ REAL	0.0	0.0	0.0	0.0	-62.1	-32.0	-62.2	-87.4	0.0	0.0	0.0	0.0	-60.6
	$	0.0	0.0	0.0	0.0	-56.9	-22.6	-57.0	-85.7	0.0	0.0	0.0	0.0	-55.2
SILVER	$ REAL	-93.2	0.0	-100.0	-14.2	-36.5	-30.4	-32.8	-45.3	-100.0	-22.2	-39.8	-92.3	-28.1
	$	-92.2	0.0	-100.0	-2.4	-27.8	-20.8	-23.6	-37.8	-100.0	-11.6	-31.5	-91.2	-18.3
TANTALUM(TA2O5)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	-69.8	0.0	0.0	0.0	0.0	0.0	-69.8
	$	0.0	0.0	0.0	0.0	0.0	0.0	-65.7	0.0	0.0	0.0	0.0	0.0	-65.7
TELLURIUM	$ REAL	0.0	0.0	0.0	0.0	-47.5	-43.4	-43.7	65.7	0.0	0.0	0.0	0.0	-41.9
	$	0.0	0.0	0.0	0.0	-40.3	-35.6	-36.0	88.4	0.0	0.0	0.0	0.0	-33.9
TIN	$ REAL	0.0	0.0	0.0	0.0	0.0	-64.3	0.0	0.0	0.0	-17.3	0.0	0.0	-35.8
	$	0.0	0.0	0.0	0.0	0.0	-59.4	0.0	0.0	0.0	-6.0	0.0	0.0	-27.0
URANIUM(U)	$ REAL	0.0	0.0	0.0	0.0	0.0	-7.2	0.0	-13.3	0.0	0.0	0.0	0.0	-9.3
	$	0.0	0.0	0.0	0.0	0.0	5.5	0.0	-1.4	0.0	0.0	0.0	0.0	3.1
ZINC	$ REAL	-48.2	0.0	-100.0	-14.6	-2.0	-15.4	-35.5	-49.3	0.0	-36.3	-40.9	64.0	-9.8
	$	-41.1	0.0	-100.0	-2.9	11.4	-3.9	-26.7	-42.4	0.0	-27.6	-32.9	86.5	2.5
TOTAL FOR METALLIC MINERAL	$ REAL	-45.3	0.0	-100.0	-15.9	-22.4	-38.8	-36.4	-15.6	-83.3	-17.1	-37.3	33.6	-29.2
	$	-37.9	0.0	-100.0	-4.4	-11.8	-30.5	-27.7	-4.0	-81.0	-5.8	-28.7	51.8	-19.5

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	$ REAL	-83.7	0.0	0.0	0.0	-31.9	0.0	0.0	0.0	0.0	-21.6	0.0	0.0	-35.4
	$	-81.4	0.0	0.0	0.0	-22.6	0.0	0.0	0.0	0.0	-10.9	0.0	0.0	-26.5
BARITE	$ REAL	0.0	0.0	134.6	0.0	0.0	-20.0	0.0	0.0	0.0	-84.0	0.0	0.0	-59.5
	$	0.0	0.0	166.7	0.0	0.0	-9.1	0.0	0.0	0.0	-81.8	0.0	0.0	-54.0
FELDSPAR	$ REAL	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
GEMSTONES	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-20.6	0.0	0.0	22.1
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.7	0.0	0.0	38.8
GYPSUM	$ REAL	-23.6	0.0	-17.2	-47.4	0.0	-27.6	-46.4	0.0	0.0	-17.1	0.0	0.0	-20.5
	$	-13.2	0.0	-5.8	-40.2	0.0	-17.7	-39.1	0.0	0.0	-5.8	0.0	0.0	-9.6
MAGNESITIC DOLOMITE	$ REAL	0.0	0.0	0.0	0.0	-4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
	$	0.0	0.0	0.0	0.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.2
MAGNETITE	$ REAL	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
NEPHELINE SYENITE	$ REAL	0.0	0.0	0.0	0.0	0.0	-13.0	0.0	0.0	0.0	0.0	0.0	0.0	-13.0
	$	0.0	0.0	0.0	0.0	0.0	-1.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.1
PEAT	$ REAL	0.0	0.0	-31.9	12.9	5.0	-61.6	-27.0	-18.1	11.4	-45.6	0.0	0.0	-7.7
	$	0.0	0.0	-22.6	28.4	19.4	-56.3	-17.0	-6.9	26.7	-38.2	0.0	0.0	5.0
POTASH(K2O)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-44.4	0.0	0.0	0.0	0.0	-44.4
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-36.8	0.0	0.0	0.0	0.0	-36.8
PYRITE PYRRHOTITE	$ REAL	0.0	0.0	0.0	0.0	75.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	75.9
	$	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	100.0
QUARTZ	$ REAL	86.9	0.0	-47.2	23.1	-6.4	-29.8	3.5	-21.1	-14.4	-31.2	0.0	0.0	-13.7
	$	112.5	0.0	-40.0	40.0	6.4	-20.3	17.7	-10.3	-2.7	-21.7	0.0	0.0	-1.9
SALT	$ REAL	0.0	0.0	1.6	0.0	0.0	6.2	0.0	5.1	3.9	0.0	0.0	0.0	6.5
	$	0.0	0.0	15.6	0.0	0.0	20.8	0.0	19.5	18.1	0.0	0.0	0.0	21.1
SERPENTINE FILLER	$ REAL	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	0.0	0.0	0.0	-100.0
SOAPSTONE,TALC	$ REAL	-51.6	0.0	0.0	0.0	-4.3	16.4	0.0	0.0	0.0	0.0	0.0	0.0	-3.1
	$	-45.0	0.0	0.0	0.0	8.8	32.3	0.0	0.0	0.0	0.0	0.0	0.0	10.2
SODIUM SULPHATE	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.4	4.7	0.0	0.0	0.0	6.2
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.9	19.1	0.0	0.0	0.0	20.8
SULPHUR (ELEMENTAL)	$ REAL	0.0	0.0	0.0	0.0	0.0	-10.7	0.0	0.0	-18.5	-18.9	0.0	0.0	-18.5
	$	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.0	-7.3	-7.8	0.0	0.0	-7.3
SULPHUR SMELTER GAS	$ REAL	0.0	0.0	0.0	-6.3	34.6	-33.4	0.0	0.0	0.0	-16.0	0.0	0.0	-11.9
	$	0.0	0.0	0.0	6.5	53.1	-24.3	0.0	0.0	0.0	-4.5	0.0	0.0	0.2
TITANIUM DIOXIDE	$ REAL	0.0	0.0	0.0	0.0	-29.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-29.2
	$	0.0	0.0	0.0	0.0	-19.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-19.5
TOTAL FOR NON-METALLIC MINERAL	$ REAL	-75.9	0.0	-10.3	6.9	-28.0	-6.3	-25.6	-42.0	-17.6	-22.8	0.0	0.0	-29.9
	$	-72.7	0.0	2.0	21.5	-18.1	6.6	-15.4	-34.1	-6.3	-12.2	0.0	0.0	-20.3

1982 VS 1981

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	$ REAL	-32.2	0.0	-22.9	-24.9	-32.3	-7.7	-54.8	-42.5	4.6	27.8	0.0	0.0	-15.4
	$	-22.9	0.0	-12.3	-14.6	-23.0	4.9	-48.6	-34.6	19.0	45.3	0.0	0.0	-3.9
CLAY PRODUCTS	$ REAL	-21.6	0.0	35.3	36.8	-28.1	-32.8	-22.7	-22.8	-29.6	-45.4	0.0	0.0	-29.4
	$	-10.9	0.0	53.8	55.5	-18.3	-23.6	-12.1	-12.3	-20.0	-37.9	0.0	0.0	-19.8
LIME	$ REAL	0.0	0.0	0.0	18.2	-10.1	-7.6	0.8	0.0	-13.9	-6.7	0.0	0.0	-7.6
	$	0.0	0.0	0.0	34.4	2.2	5.1	14.6	0.0	-2.1	6.1	0.0	0.0	5.0
SAND AND GRAVEL	$ REAL	-9.1	11.8	-7.6	-10.3	-58.9	-18.1	-3.5	-4.2	1.2	-35.4	0.0	0.0	-23.3
	$	3.4	27.1	5.0	2.0	-53.3	-6.9	9.7	8.9	15.1	-26.6	0.0	0.0	-12.8
STONE	$ REAL	-12.7	0.0	-10.5	-14.0	-46.0	-11.2	-9.8	0.0	10.9	-25.2	0.0	0.0	-28.4
	$	-0.8	0.0	1.8	-2.3	-38.7	0.9	2.5	0.0	26.0	-15.0	0.0	0.0	-18.6
TOTAL FOR STRUCTURAL MATERIAL	$ REAL	-17.4	11.8	-13.6	-13.1	-41.4	-13.3	-29.9	-25.7	-0.1	-15.1	0.0	0.0	-20.5
	$	-6.2	27.1	-1.7	-1.3	-33.4	-1.4	-20.4	-15.5	13.5	-3.5	0.0	0.0	-9.6

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	VOLUME	0.0	0.0	-6.9	19.4	0.0	0.0	0.0	13.9	6.0	16.0	0.0	0.0	9.3
	$	0.0	0.0	-3.6	28.0	0.0	0.0	0.0	63.3	7.8	21.4	0.0	0.0	15.1
NATURAL GAS	VOLUME	0.0	0.0	0.0	0.0	0.0	-5.8	0.0	-3.9	-15.5	-15.4	-100.0	-24.6	-15.3
	$	0.0	0.0	0.0	0.0	0.0	3.2	0.0	8.4	4.3	9.3	-100.0	-19.8	4.3
NATURAL GAS BY-PROD.	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-29.4	-1.1	-8.7	0.0	0.0	-1.4
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-18.2	15.2	11.0	0.0	0.0	15.0
PETROLEUM, CRUDE	VOLUME	0.0	0.0	0.0	0.0	0.0	-4.3	-3.7	-20.7	-9.8	1.2	0.0	6.8	-10.7
	$	0.0	0.0	0.0	0.0	0.0	13.5	16.9	-4.8	5.0	23.9	0.0	22.0	4.6
TOTAL FOR FUELS	$	0.0	0.0	-3.6	27.8	0.0	5.5	16.9	-2.1	6.0	17.8	-100.0	-11.8	6.1

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-13.9	0.0	0.0	-13.9
	$	0.0	0.0	0.0	-58.5	0.0	0.0	0.0	0.0	0.0	-13.2	0.0	0.0	-55.8
BISMUTH	VOLUME	0.0	0.0	0.0	15.9	0.0	0.0	0.0	0.0	0.0	-4.3	0.0	0.0	13.4
	$	0.0	0.0	0.0	18.9	0.0	0.0	0.0	0.0	0.0	-36.3	0.0	0.0	10.4
CADMIUM	VOLUME	-46.7	0.0	100.0	0.0	-29.6	-21.8	-12.5	16.7	0.0	10.9	0.0	0.0	-19.3
	$	-64.2	0.0	40.5	0.0	-52.7	-44.0	-41.8	-15.4	0.0	-25.6	0.0	0.0	-43.1
CALCIUM	VOLUME	0.0	0.0	0.0	0.0	0.0	-11.7	0.0	0.0	0.0	0.0	0.0	0.0	-11.7
	$	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
COBALT	VOLUME	0.0	0.0	0.0	0.0	0.0	8.6	-42.4	0.0	0.0	0.0	0.0	0.0	-1.8
	$	0.0	0.0	0.0	0.0	0.0	-11.7	-49.8	0.0	0.0	0.0	0.0	0.0	-19.6
COLUMBIUM(CB2O5)	VOLUME	0.0	0.0	0.0	0.0	11.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.3
	$	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
COPPER	VOLUME	5.6	0.0	0.0	32.4	-8.0	-7.6	-13.5	-4.6	0.0	8.8	-12.8	5.7	-1.4
	$	-10.0	0.0	0.0	12.8	-21.6	-17.5	-26.3	-18.7	0.0	-7.2	-25.7	-9.7	-14.7
GOLD	VOLUME	-10.7	0.0	0.0	51.9	11.3	-1.0	-18.0	-15.3	-63.9	2.7	-25.0	14.6	2.7
	$	-31.1	0.0	0.0	17.4	-14.3	-17.4	-36.9	-34.7	-72.3	-20.9	-42.3	-11.8	-18.6
IRON ORE	VOLUME	4.3	0.0	0.0	0.0	2.3	-17.9	0.0	0.0	0.0	-8.0	0.0	0.0	0.5
	$	-1.0	0.0	0.0	0.0	12.9	-6.3	0.0	0.0	0.0	4.7	0.0	0.0	2.6
IRON,REMELT	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.9
LEAD	VOLUME	-36.8	0.0	356.4	60.7	-97.7	-62.2	-16.7	0.0	0.0	4.8	-14.9	-11.3	6.2
	$	-42.9	0.0	311.7	45.0	-97.9	-55.9	-24.9	0.0	0.0	-5.5	-23.2	-20.0	-3.7
MAGNESIUM	VOLUME	0.0	0.0	0.0	0.0	0.0	-7.6	0.0	0.0	0.0	0.0	0.0	0.0	-7.6
	$	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	5.8
MOLYBDENUM	VOLUME	0.0	0.0	0.0	0.0	37.7	0.0	0.0	0.0	0.0	6.2	0.0	0.0	8.1
	$	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	-30.0	0.0	0.0	-26.9
NICKEL	VOLUME	0.0	0.0	0.0	0.0	0.0	-10.5	-23.5	0.0	0.0	0.0	0.0	0.0	-13.3
	$	0.0	0.0	0.0	0.0	0.0	-13.3	-31.5	0.0	0.0	0.0	0.0	0.0	-17.5
PLATINUM GROUP	VOLUME	0.0	0.0	0.0	0.0	0.0	-6.8	0.0	0.0	0.0	0.0	0.0	0.0	-6.8
	$	0.0	0.0	0.0	0.0	0.0	-14.3	0.0	0.0	0.0	0.0	0.0	0.0	-14.3
SELENIUM	VOLUME	0.0	0.0	0.0	0.0	0.6	-32.6	-16.7	-100.0	0.0	0.0	0.0	0.0	-11.8
	$	0.0	0.0	0.0	0.0	-3.9	-36.4	14.3	12.0	0.0	0.0	0.0	0.0	-4.6
SILVER	VOLUME	-22.2	0.0	0.0	65.0	-1.7	-28.6	-16.1	-16.7	0.0	97.1	-45.6	-37.7	4.3
	$	-59.7	0.0	1431.8	-13.7	-48.8	-59.2	-55.9	-48.9	-91.7	3.2	-71.7	-67.4	-43.5
TANTALUM(TA2O5)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	-9.6	0.0	0.0	0.0	0.0	0.0	-9.6
	$	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	6.2
TELLURIUM	VOLUME	0.0	0.0	0.0	0.0	425.0	-20.0	0.0	0.0	0.0	0.0	0.0	0.0	106.7
	$	0.0	0.0	0.0	0.0	288.6	-35.2	-35.8	-21.8	0.0	0.0	0.0	0.0	44.9
TIN	VOLUME	0.0	0.0	0.0	0.0	0.0	-13.6	0.0	0.0	0.0	7.1	0.0	0.0	-1.6
	$	0.0	0.0	0.0	0.0	0.0	-25.6	0.0	0.0	0.0	-26.2	0.0	0.0	-26.0
TUNGSTEN(WO3)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-37.2	-37.2
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
URANIUM(U)	VOLUME	0.0	0.0	0.0	0.0	0.0	9.7	0.0	12.9	0.0	0.0	0.0	0.0	10.8
	$	0.0	0.0	0.0	0.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5
ZINC	VOLUME	-9.3	0.0	121.7	68.6	-18.9	-2.9	-8.2	27.6	0.0	17.4	-13.3	-24.8	2.9
	$	11.7	0.0	172.9	107.6	-0.1	17.9	13.1	57.1	0.0	44.5	6.7	-7.4	26.3
TOTAL FOR METALLIC MINERAL	$	-1.4	0.0	251.1	49.5	-4.1	-12.9	-28.0	9.3	-72.5	-9.6	-34.5	-17.2	-9.2

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	VOLUME	-2.8	0.0	0.0	0.0	-16.5	0.0	0.0	0.0	0.0	-9.0	0.0	0.0	-15.2
	$	14.3	0.0	0.0	0.0	-15.2	0.0	0.0	0.0	0.0	-1.3	0.0	0.0	-11.3
BARITE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0	0.0	10.1	0.0	0.0	24.1
FELDSPAR	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GEMSTONES	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	-91.5	0.0	0.0	-91.8
GYPSUM	VOLUME	-19.4	0.0	0.1	-55.6	0.0	-12.2	40.3	0.0	0.0	-12.6	0.0	0.0	-3.7
	$	-11.3	0.0	31.2	-58.6	0.0	-4.4	142.8	0.0	0.0	-0.3	0.0	0.0	19.1
MAGNESITIC DOLOMITE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3
MAGNETITE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEPHELINE SYENITE	VOLUME	0.0	0.0	0.0	0.0	0.0	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	-2.0
	$	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
PEAT	VOLUME	0.0	0.0	-28.6	-13.0	-8.7	12.5	25.8	0.0	40.6	6.9	0.0	0.0	-0.9
	$	0.0	0.0	-17.2	3.3	-2.6	28.0	50.6	19.3	64.7	17.8	0.0	0.0	15.9
POTASH(K2O)	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-9.1	0.0	0.0	0.0	0.0	-9.1
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	-3.0
PYRITE PYRRHOTITE	VOLUME	0.0	0.0	0.0	0.0	-68.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-68.8
	$	0.0	0.0	0.0	0.0	-68.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-68.1
QUARTZ	VOLUME	0.0	0.0	0.0	0.0	-1.3	7.0	-100.0	35.2	0.0	0.0	0.0	0.0	-13.4
	$	20.8	0.0	64.5	96.5	17.5	18.8	-10.0	34.4	22.4	35.3	0.0	0.0	20.3
SALT	VOLUME	0.0	0.0	1.1	0.0	0.0	2.0	0.0	16.9	-1.2	0.0	0.0	0.0	2.2
	$	0.0	0.0	-0.3	0.0	0.0	13.3	0.0	-10.7	23.9	0.0	0.0	0.0	8.6
SERPENTINE FILLER	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOAPSTONE,TALC	VOLUME	0.0	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	12.5
	$	-3.6	0.0	0.0	0.0	-3.1	52.7	0.0	0.0	0.0	0.0	0.0	0.0	19.6
SODIUM SULPHATE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	12.4	0.0	0.0	0.0	29.3
SULPHUR (ELEMENTAL)	VOLUME	0.0	0.0	0.0	0.0	0.0	38.1	0.0	0.0	2.8	102.9	0.0	0.0	4.7
	$	0.0	0.0	0.0	0.0	0.0	103.3	0.0	0.0	44.2	117.6	0.0	0.0	45.8
SULPHUR SMELTER GAS	VOLUME	0.0	0.0	0.0	32.8	-33.7	-19.8	0.0	0.0	0.0	-0.9	0.0	0.0	-12.5
	$	0.0	0.0	0.0	257.8	304.0	33.5	0.0	0.0	0.0	-17.0	0.0	0.0	41.6
TERRAZZO CHIPS	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM DIOXIDE	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
TOTAL FOR NON-METALLIC MINERAL	$	11.8	0.0	14.3	38.9	-8.0	16.3	45.1	-2.1	43.6	6.2	0.0	0.0	6.8

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	VOLUME	0.0	0.0	0.0	0.0	-6.9	-6.9	22.9	-0.3	25.1	-45.4	0.0	0.0	-6.7
	$	-13.0	0.0	71.7	30.1	30.9	7.5	18.6	-19.9	-2.2	-46.7	0.0	0.0	4.3
CLAY PRODUCTS	VOLUME	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	14.3	0.0	-46.7	-42.2	23.7	14.7	48.1	24.5	16.0	-23.0	0.0	0.0	8.7
LIME	VOLUME	0.0	0.0	0.0	0.0	-0.3	9.1	0.0	0.0	-0.5	-4.3	0.0	0.0	6.2
	$	0.0	0.0	0.0	-12.2	10.6	27.3	27.1	0.0	25.5	15.4	0.0	0.0	22.6
SAND AND GRAVEL	VOLUME	-14.1	-62.9	-0.3	-3.2	15.3	-9.5	19.6	-19.5	8.8	-6.4	0.0	0.0	0.2
	$	49.6	-30.9	-5.6	-23.8	28.2	0.3	13.2	1.1	76.2	-11.2	0.0	0.0	12.1
STONE	VOLUME	-45.3	0.0	-54.4	-12.0	-17.7	4.4	-11.6	0.0	40.4	-64.0	0.0	0.0	-14.7
	$	-22.8	0.0	-41.9	-3.3	-4.4	3.2	1.5	0.0	95.1	-71.7	0.0	0.0	-10.0
TOTAL FOR STRUCTURAL MATERIAL	$	10.5	-30.9	11.1	-3.0	14.9	8.2	15.6	-9.7	25.8	-34.3	0.0	0.0	4.9

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
FUELS														
COAL	$ REAL	0.0	0.0	-12.8	15.7	0.0	0.0	0.0	47.6	-2.5	9.8	0.0	0.0	4.0
	$	0.0	0.0	-3.6	28.0	0.0	0.0	0.0	63.3	7.8	21.4	0.0	0.0	15.1
NATURAL GAS	$ REAL	0.0	0.0	0.0	-9.6	0.0	-6.7	0.0	-2.0	-5.7	-1.2	-100.0	-27.5	-5.7
	$	0.0	0.0	0.0	0.0	0.0	3.2	0.0	8.4	4.3	9.3	-100.0	-19.8	4.3
NATURAL GAS BY-PROD.	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-26.0	4.2	0.4	0.0	0.0	4.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-18.2	15.2	11.0	0.0	0.0	15.0
PETROLEUM, CRUDE	$ REAL	0.0	0.0	0.0	-9.6	0.0	2.7	5.7	-13.9	-5.0	12.0	0.0	10.3	-5.4
	$	0.0	0.0	0.0	0.0	0.0	13.5	16.9	-4.8	5.0	23.9	0.0	22.0	4.6
TOTAL FOR FUELS	$ REAL	0.0	0.0	-12.8	15.6	0.0	-4.6	5.7	-11.5	-4.2	6.5	-100.0	-20.3	-4.1
	$	0.0	0.0	-3.6	27.8	0.0	5.5	16.9	-2.1	6.0	17.8	-100.0	-11.8	6.1

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
METALLIC MINERAL														
ANTIMONY	$ REAL	0.0	0.0	0.0	-62.4	0.0	0.0	0.0	0.0	0.0	-21.5	0.0	0.0	-60.0
	$	0.0	0.0	0.0	-58.5	0.0	0.0	0.0	0.0	0.0	-13.2	0.0	0.0	-55.8
BISMUTH	$ REAL	0.0	0.0	0.0	7.6	0.0	0.0	0.0	0.0	0.0	-42.4	0.0	0.0	-0.1
	$	0.0	0.0	0.0	18.9	0.0	0.0	0.0	0.0	0.0	-36.3	0.0	0.0	10.4
CADMIUM	$ REAL	-67.6	0.0	27.1	0.0	-57.2	-49.4	-47.4	-23.5	0.0	-32.7	0.0	0.0	-48.5
	$	-64.2	0.0	40.5	0.0	-52.7	-44.0	-41.8	-15.4	0.0	-25.6	0.0	0.0	-43.1
CALCIUM	$ REAL	0.0	0.0	0.0	0.0	0.0	-7.2	0.0	0.0	0.0	0.0	0.0	0.0	-7.2
	$	0.0	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
COBALT	$ REAL	0.0	0.0	0.0	0.0	0.0	-20.2	-54.6	0.0	0.0	0.0	0.0	0.0	-27.3
	$	0.0	0.0	0.0	0.0	0.0	-11.7	-49.8	0.0	0.0	0.0	0.0	0.0	-19.6
COLUMBIUM(CB2O5)	$ REAL	0.0	0.0	0.0	0.0	10.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
	$	0.0	0.0	0.0	0.0	21.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.6
COPPER	$ REAL	-18.6	0.0	0.0	2.0	-29.1	-25.4	-33.4	-26.5	0.0	-16.1	-32.8	-18.4	-22.8
	$	-10.0	0.0	0.0	12.8	-21.6	-17.5	-26.3	-18.7	0.0	-7.2	-25.7	-9.7	-14.7
GOLD	$ REAL	-37.7	0.0	0.0	6.2	-22.5	-25.3	-43.0	-41.0	-75.0	-28.5	-47.8	-20.2	-26.4
	$	-31.1	0.0	0.0	17.4	-14.3	-17.4	-36.9	-34.7	-72.3	-20.9	-42.3	-11.8	-18.6
IRON ORE	$ REAL	-10.5	0.0	0.0	0.0	2.1	-15.3	0.0	0.0	0.0	-5.4	0.0	0.0	-7.2
	$	-1.0	0.0	0.0	0.0	12.9	-6.3	0.0	0.0	0.0	4.7	0.0	0.0	2.6
IRON,REMELT	$ REAL	0.0	0.0	0.0	0.0	-14.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-14.0
	$	0.0	0.0	0.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-4.9
LEAD	$ REAL	-48.4	0.0	272.3	31.1	-98.1	-60.1	-32.1	0.0	0.0	-14.6	-30.6	-27.7	-12.9
	$	-42.9	0.0	311.7	45.0	-97.9	-55.9	-24.9	0.0	0.0	-5.5	-23.2	-20.0	-3.7
MAGNESIUM	$ REAL	0.0	0.0	0.0	0.0	0.0	-4.3	0.0	0.0	0.0	0.0	0.0	0.0	-4.3
	$	0.0	0.0	0.0	0.0	0.0	5.8	0.0	0.0	0.0	0.0	0.0	0.0	5.8
MOLYBDENUM	$ REAL	0.0	0.0	0.0	0.0	10.9	0.0	0.0	0.0	0.0	-36.7	0.0	0.0	-33.9
	$	0.0	0.0	0.0	0.0	22.6	0.0	0.0	0.0	0.0	-30.0	0.0	0.0	-26.9
NICKEL	$ REAL	0.0	0.0	0.0	0.0	0.0	-21.6	-38.1	0.0	0.0	0.0	0.0	0.0	-25.4
	$	0.0	0.0	0.0	0.0	0.0	-13.3	-31.5	0.0	0.0	0.0	0.0	0.0	-17.5
PLATINUM GROUP	$ REAL	0.0	0.0	0.0	0.0	0.0	-22.5	0.0	0.0	0.0	0.0	0.0	0.0	-22.5
	$	0.0	0.0	0.0	0.0	0.0	-14.3	0.0	0.0	0.0	0.0	0.0	0.0	-14.3
SELENIUM	$ REAL	0.0	0.0	0.0	0.0	-13.1	-42.5	3.3	1.3	0.0	0.0	0.0	0.0	-13.7
	$	0.0	0.0	0.0	0.0	-3.9	-36.4	14.3	12.0	0.0	0.0	0.0	0.0	-4.6
SILVER	$ REAL	-63.5	0.0	1285.0	-22.0	-53.7	-63.1	-60.1	-53.8	-92.5	-6.7	-74.4	-70.5	-48.9
	$	-59.7	0.0	1431.8	-13.7	-48.8	-59.2	-55.9	-48.9	-91.7	3.2	-71.7	-67.4	-43.5
TANTALUM(TA2O5)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	-4.0	0.0	0.0	0.0	0.0	0.0	-4.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	6.2	0.0	0.0	0.0	0.0	0.0	6.2
TELLURIUM	$ REAL	0.0	0.0	0.0	0.0	251.4	-41.4	-42.0	-29.3	0.0	0.0	0.0	0.0	31.0
	$	0.0	0.0	0.0	0.0	288.6	-35.2	-35.8	-21.8	0.0	0.0	0.0	0.0	44.9
TIN	$ REAL	0.0	0.0	0.0	0.0	0.0	-32.8	0.0	0.0	0.0	-33.3	0.0	0.0	-33.1
	$	0.0	0.0	0.0	0.0	0.0	-25.6	0.0	0.0	0.0	-26.2	0.0	0.0	-26.0
TUNGSTEN(WO3)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
URANIUM(U)	$ REAL	0.0	0.0	0.0	0.0	0.0	1.7	0.0	1.7	0.0	0.0	0.0	0.0	1.7
	$	0.0	0.0	0.0	0.0	0.0	12.5	0.0	12.5	0.0	0.0	0.0	0.0	12.5
ZINC	$ REAL	1.0	0.0	146.8	87.7	-9.7	6.6	2.2	42.1	0.0	30.7	-3.5	-16.3	14.2
	$	11.7	0.0	172.9	107.6	-0.1	17.9	13.1	57.1	0.0	44.5	6.7	-7.4	26.3
TOTAL FOR METALLIC MINERAL	$ REAL	-10.8	0.0	217.4	35.2	-13.3	-21.2	-34.9	-1.1	-75.1	-18.3	-40.8	-25.2	-17.9
	$	-1.4	0.0	251.1	49.5	-4.1	-12.9	-28.0	9.3	-72.5	-9.6	-34.5	-17.2	-9.2

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
NON-METALLIC MINERAL														
ASBESTOS	$ REAL	3.3	0.0	0.0	0.0	-23.4	0.0	0.0	0.0	0.0	-10.8	0.0	0.0	-19.8
	$	14.3	0.0	0.0	0.0	-15.2	0.0	0.0	0.0	0.0	-1.3	0.0	0.0	-11.3
BARITE	$ REAL	0.0	0.0	0.0	0.0	0.0	98.9	0.0	0.0	0.0	-0.4	0.0	0.0	12.2
	$	0.0	0.0	0.0	0.0	0.0	120.0	0.0	0.0	0.0	10.1	0.0	0.0	24.1
FELDSPAR	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
GEMSTONES	$ REAL	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	-92.3	0.0	0.0	-92.6
	$	0.0	0.0	0.0	0.0	0.0	-100.0	0.0	0.0	0.0	-91.5	0.0	0.0	-91.8
GYPSUM	$ REAL	-19.8	0.0	18.6	-62.5	0.0	-13.6	119.5	0.0	0.0	-9.8	0.0	0.0	7.7
	$	-11.3	0.0	31.2	-58.6	0.0	-4.4	142.8	0.0	0.0	-0.3	0.0	0.0	19.1
MAGNESITIC DOLOMITE	$ REAL	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
	$	0.0	0.0	0.0	0.0	10.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.3
MAGNETITE	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
NEPHELINE SYENITE	$ REAL	0.0	0.0	0.0	0.0	0.0	-4.2	0.0	0.0	0.0	0.0	0.0	0.0	-4.2
	$	0.0	0.0	0.0	0.0	0.0	6.0	0.0	0.0	0.0	0.0	0.0	0.0	6.0
PEAT	$ REAL	0.0	0.0	-25.2	-6.6	-11.9	15.7	36.2	7.9	49.0	6.5	0.0	0.0	4.8
	$	0.0	0.0	-17.2	3.3	-2.6	28.0	50.6	19.3	64.7	17.8	0.0	0.0	15.9
POTASH(K2O)	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-12.3	0.0	0.0	0.0	0.0	-12.3
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-3.0	0.0	0.0	0.0	0.0	-3.0
PYRITE PYRRHOTITE	$ REAL	0.0	0.0	0.0	0.0	-71.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-71.2
	$	0.0	0.0	0.0	0.0	-68.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-68.1
QUARTZ	$ REAL	9.2	0.0	48.7	77.6	6.2	7.5	-18.6	21.5	10.7	22.3	0.0	0.0	8.8
	$	20.8	0.0	64.5	96.5	17.5	18.8	-10.0	34.4	22.4	35.3	0.0	0.0	20.3
SALT	$ REAL	0.0	0.0	-9.9	0.0	0.0	2.4	0.0	-19.2	12.1	0.0	0.0	0.0	-1.8
	$	0.0	0.0	-0.3	0.0	0.0	13.3	0.0	-10.7	23.9	0.0	0.0	0.0	8.6
SERPENTINE FILLER	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SOAPSTONE,TALC	$ REAL	-12.8	0.0	0.0	0.0	-12.4	38.0	0.0	0.0	0.0	0.0	0.0	0.0	8.2
	$	-3.6	0.0	0.0	0.0	-3.1	52.7	0.0	0.0	0.0	0.0	0.0	0.0	19.6
SODIUM SULPHATE	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.4	1.6	0.0	0.0	0.0	16.9
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	31.0	12.4	0.0	0.0	0.0	29.3
SULPHUR (ELEMENTAL)	$ REAL	0.0	0.0	0.0	0.0	0.0	83.8	0.0	0.0	30.4	96.8	0.0	0.0	31.9
	$	0.0	0.0	0.0	0.0	0.0	103.3	0.0	0.0	44.2	117.6	0.0	0.0	45.8
SULPHUR SMELTER GAS	$ REAL	0.0	0.0	0.0	223.5	265.3	20.7	0.0	0.0	0.0	-24.9	0.0	0.0	28.1
	$	0.0	0.0	0.0	257.8	304.0	33.5	0.0	0.0	0.0	-17.0	0.0	0.0	41.6
TERRAZZO CHIPS	$ REAL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	$	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TITANIUM DIOXIDE	$ REAL	0.0	0.0	0.0	0.0	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7
	$	0.0	0.0	0.0	0.0	12.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.5
TOTAL FOR NON-METALLIC MINERAL	$ REAL	1.1	0.0	3.4	25.6	-16.8	5.1	31.2	-11.5	29.8	-4.0	0.0	0.0	-3.4
	$	11.8	0.0	14.3	38.9	-8.0	16.3	45.1	-2.1	43.6	6.2	0.0	0.0	6.8

1981 VS 1980

PERCENT CHANGE OF THE MINERAL PRODUCTION OF CANADA, BY PROVINCE

		NFLD	P.E.I.	N.S.	N.B.	QUE.	ONT.	MAN.	SASK.	ALTL.	B.C.	YUKON	N.W.T.	CANADA
		%	%	%	%	%	%	%	%	%	%	%	%	%
STRUCTURAL MATERIAL														
CEMENT	$ REAL	-21.4	0.0	55.2	17.6	18.4	-2.8	7.2	-27.5	-11.6	-51.8	0.0	0.0	-5.7
	$	-13.0	0.0	71.7	30.1	30.9	7.5	18.6	-19.9	-2.2	-46.7	0.0	0.0	4.3
CLAY PRODUCTS	$ REAL	3.3	0.0	-51.8	-47.7	11.9	3.7	33.9	12.6	4.9	-30.4	0.0	0.0	-1.7
	$	14.3	0.0	-46.7	-42.2	23.7	14.7	48.1	24.5	16.0	-23.0	0.0	0.0	8.7
LIME	$ REAL	0.0	0.0	0.0	-20.6	0.0	15.1	15.0	0.0	13.5	4.4	0.0	0.0	10.8
	$	0.0	0.0	0.0	-12.2	10.6	27.3	27.1	0.0	25.5	15.4	0.0	0.0	22.6
SAND AND GRAVEL	$ REAL	35.3	-37.6	-14.7	-31.1	15.9	-9.3	2.4	-8.6	59.4	-19.7	0.0	0.0	1.3
	$	49.6	-30.9	-5.6	-23.8	28.2	0.3	13.2	1.1	76.2	-11.2	0.0	0.0	12.1
STONE	$ REAL	-30.2	0.0	-47.5	-12.6	-13.6	-6.7	-8.2	0.0	76.4	-74.4	0.0	0.0	-18.6
	$	-22.8	0.0	-41.9	-3.3	-4.4	3.2	1.5	0.0	95.1	-71.7	0.0	0.0	-10.0
TOTAL FOR STRUCTURAL MATERIAL	$ REAL	-0.1	-37.6	0.5	-12.3	3.9	-2.2	4.5	-18.4	13.8	-40.6	0.0	0.0	-5.2
	$	10.5	-30.9	11.1	-3.0	14.9	8.2	15.6	-9.7	25.8	-34.3	0.0	0.0	4.9

NOTE ABOUT GRAPHS

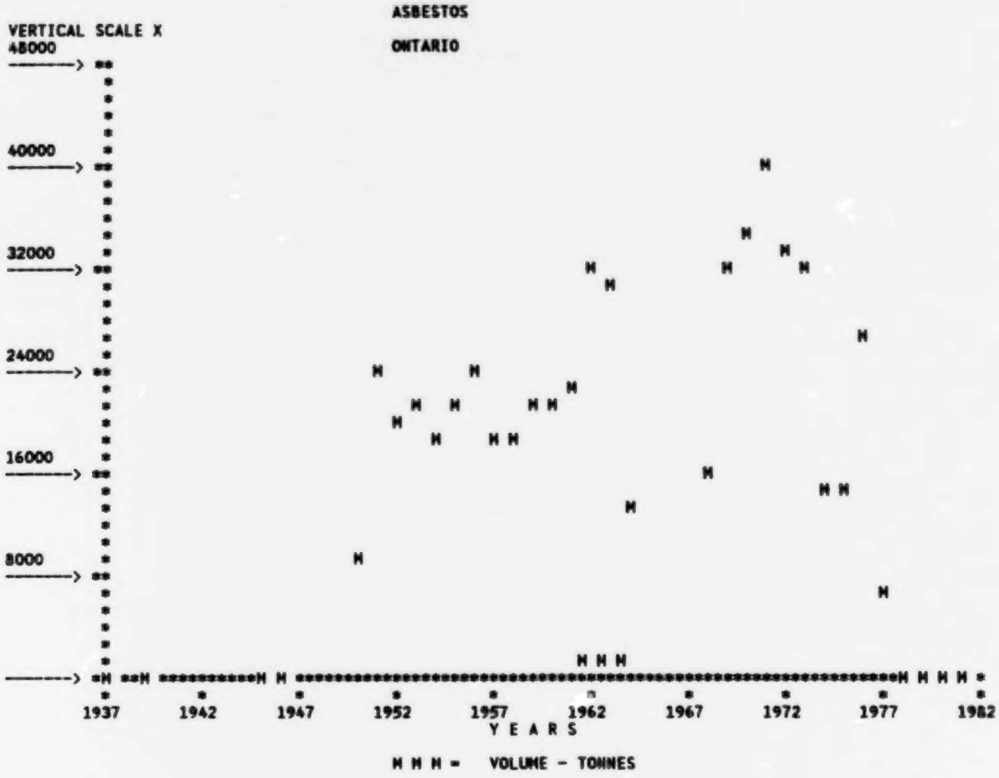
THE GRAPHS BEGINNING NEXT IN THIS REPORT ARE INTENDED TO PROVIDE A QUICK VISUAL INDICATION OF THE TREND OF MINERAL PRODUCTION IN ONTARIO. BECAUSE OF THE COARSE RESOLUTION WHEN PLOTT'NG ON A 132X132 GRID THE XY POSITION OF A SYMBOL ON THE GRAPH DOES NOT NECESSARILY CORRESPOND EXACTLY WITH THE TABLES OF HISTORICAL STATISTICS. THE TABLES SHOULD BE CONSULTED FOR ACCURATE VOLUME AND VALUE STATISTICS.

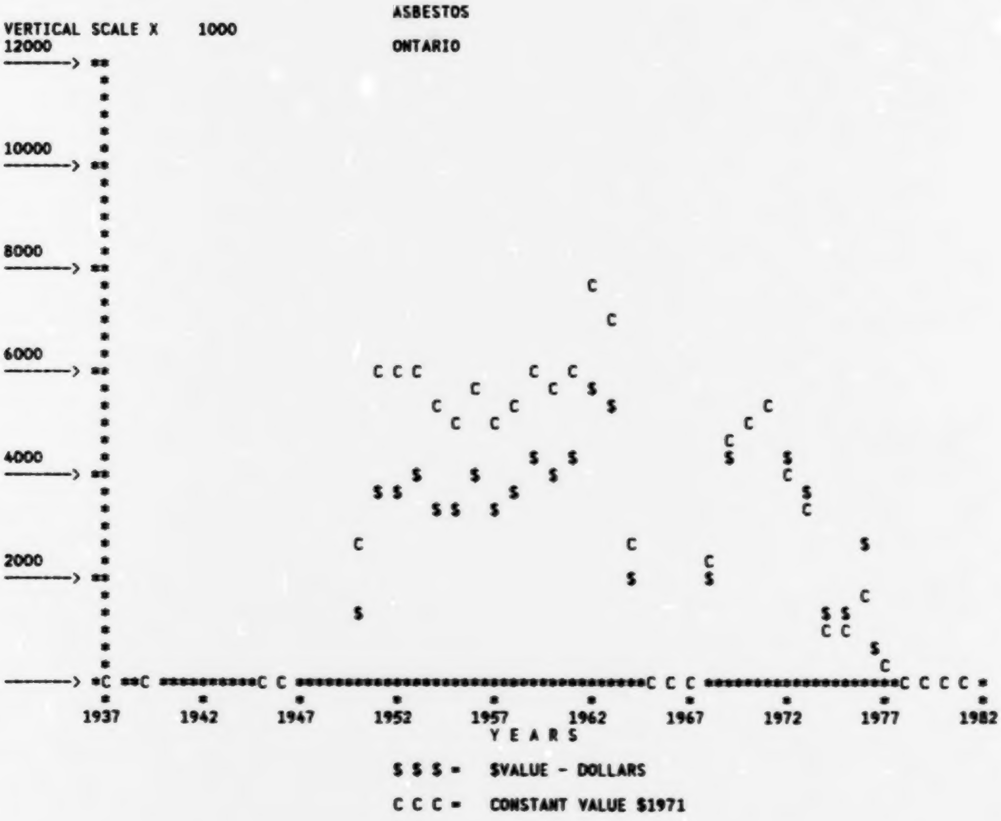
THE SYMBOLS $ AND C MAY NEED TO OCCUPY THE SAME XY POSITION BUT THE SYMBOL C DOMINATES AND IS PLOTTED.

SINCE THE HISTORICAL SERIES SPAN MANY YEARS THE PLOTTING PROGRAMS MUST COMPRESS THE HORIZONTAL SCALE AND IN SO DOING LABEL IT WITH YEARS WHICH MAY NOT EXIST IN THE TABLE OF STATISTICS. EVEN SO THE TRENDS ARE ACCURATELY PLOTTED WITHIN ACCEPTABLE TOLERANCES FOR TREND LINE ANALYSIS.

IN LAST YEARS REPORT ABOUT 100 YEARS OF DATA (IF AVAILABLE) WERE PLOTTED. IN THIS REPORT ABOUT 50 YEARS OF DATA ARE PLOTTED IN ORDER TO PROVIDE AN EXPANDED VIEW OF THE MOST RECENT PERIOD OF PRODUCTION.

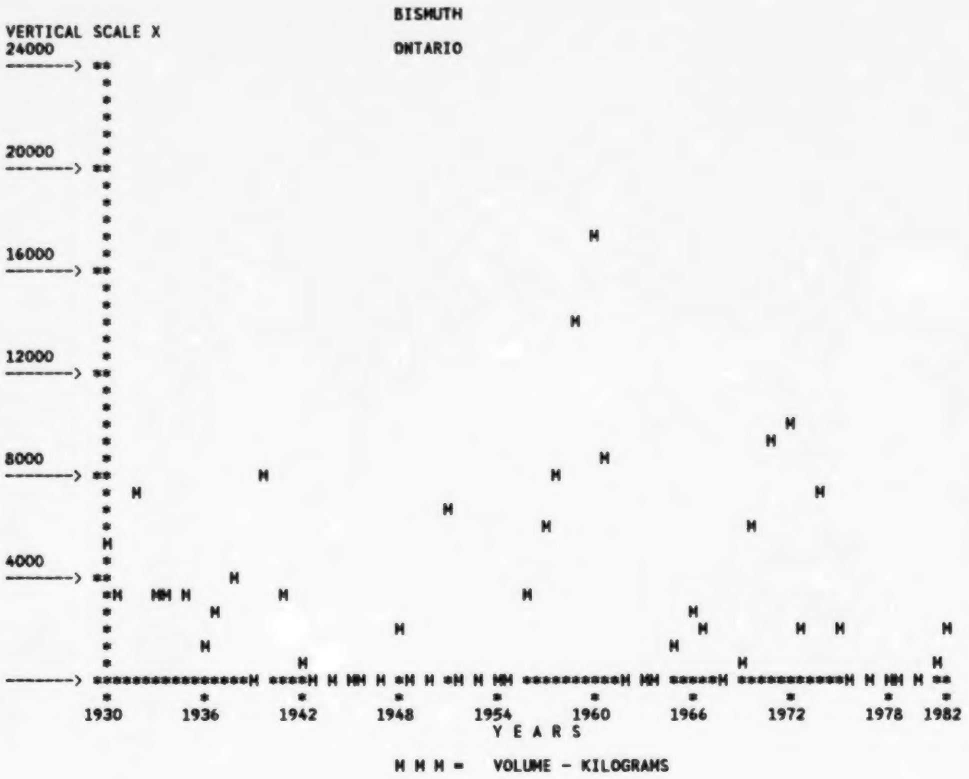
MORE ACCURATE COLOURED LINE PLOTS ARE AVAILABLE ON REQUEST.

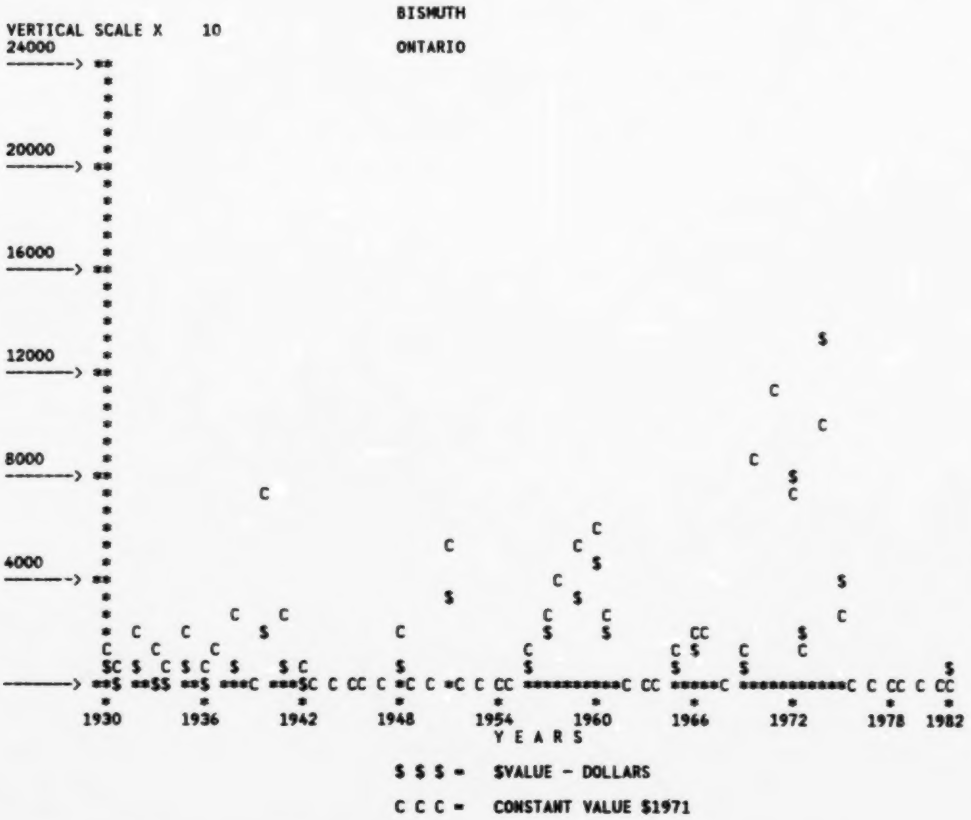

ASBESTOS
ONTARIO
VERTICAL SCALE X
48000
40000
32000
24000
16000
8000
1937
1942
1947
1952
1957
1962
1967
1972
1977
1982
Y E A R S
M M M = VOLUME - TONNES


ASBESTOS
ONTARIO
VERTICAL SCALE X 1000
12000
10000
8000
6000
4000
2000
1937
1942
1947
1952
1957
1962
1967
1972
1977
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF ASBESTOS IN ONTARIO

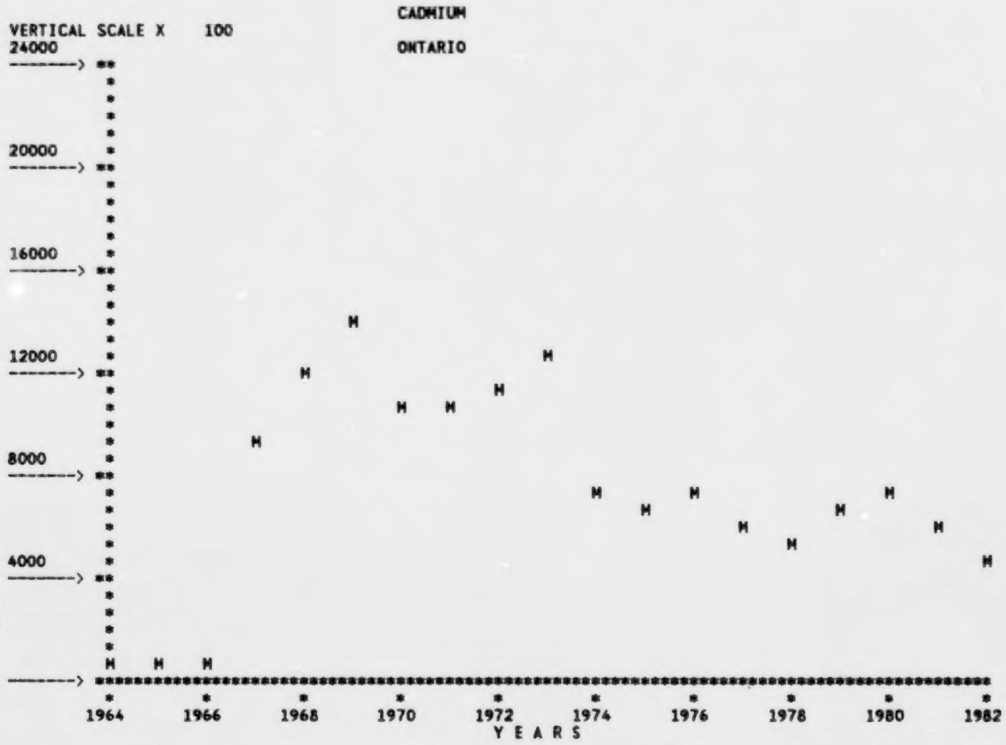
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1917	10	9	2150	5972	16722	1858.00
1923	6	5	2600	7222	20222	4044.40
1924	172	156	91900	255277	714777	4581.90
1925	2	1	901	2502	7007	7007.00
1926	14	12	3935	10780	30186	2515.50
1937	1	0	250	781	2187	.00
1939	18	16	720	2271	6359	397.44
1945	14	12	2646	6485	18158	1513.17
1946	1	0	279	664	1860	.00
1950	10518	9541	1493099	2724633	7628972	799.60
1951	26587	24119	3773069	6175235	17290659	716.89
1952	23096	20952	3862653	6063819	16978694	810.36
1953	23529	21345	3965299	6234746	17457291	817.86
1954	21389	19403	3497824	5414588	15160847	781.37
1955	24550	22271	3317542	5103910	14290950	641.68
1956	26748	24265	3929782	5830537	16325504	672.80
1957	20947	19002	3529570	5130188	14364529	755.95
1958	21650	19640	3849370	5514856	15441598	786.23
1959	24350	22089	4327628	6078129	17018762	770.46
1960	23284	21122	4128920	5726657	16034640	759.14
1961	25047	22722	4362668	6017473	16848924	741.52
1962	35551	32251	5686720	7737034	21663695	671.72
1963	33715	30585	5372645	7182680	20111505	657.56
1964	15512	14072	2199918	2868211	8030991	570.71
1965	1758	1594	69258	87557	245161	153.80
1966	1696	1538	64519	78015	218444	142.03
1967	1631	1479	61240	71292	199618	134.97
1968	17554	15924	2107014	2375438	6651228	417.69
1969	36068	32720	4375475	4720037	13216105	403.92
1970	39025	35402	4932142	5095188	14266526	402.99
1971	44014	39928	5339743	5339743	14951280	374.46
1972	37560	34073	4405394	4199613	11758916	345.11
1973	35928	32593	3888085	3419599	9574879	293.77
1974	16455	14927	1334817	1031543	2888321	193.50
1975	16889	15322	1493874	1019709	2855185	186.35
1976	29637	26887	2595282	1618006	4530417	168.50
1977	7302	6625	730300	425334	1190937	179.76
1978	0	0	0	0	0	.00
1979	0	0	0	0	0	.00
1980	0	0	0	0	0	.00
1981	0	0	0	0	0	.00
TOTAL	642228	582602		113575724	318012056	


BISMUTH
ONTARIO
VERTICAL SCALE X
24000
20000
16000
12000
8000
4000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
YEARS
M M M = VOLUME - KILOGRAMS


BISMUTH
ONTARIO
VERTICAL SCALE X 10
24000
20000
16000
12000
8000
4000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF BISMUTH IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1923	18878	8562	48139	133719	374414	43.73
1924	12863	5834	16079	44663	125058	21.44
1925	19667	8920	18596	51655	144635	16.21
1926	6440	2921	6440	17643	49402	16.91
1927	2072	939	1003	2778	7779	8.28
1928	14002	6351	5067	14114	39519	6.22
1929	27446	12449	23413	64321	180100	14.47
1930	12732	5775	6366	17983	50352	8.72
1931	7331	3325	3532	10606	29698	8.93
1932	16798	7619	7289	24215	67804	8.90
1933	7580	3438	3731	12604	35293	10.27
1934	7552	3425	3444	11480	32144	9.39
1935	7079	3210	6796	22578	63218	19.69
1936	3552	1611	3516	11305	31655	19.65
1937	5711	2590	5654	17668	49472	19.10
1938	9516	4316	9754	30576	85615	19.84
1939	0	0	0	0	0	.00
1940	17789	8068	24620	74380	208265	25.81
1941	7499	3401	10379	29072	81403	23.94
1942	2333	1058	3219	8630	24164	22.84
1943	0	0	0	0	0	.00
1944	0	0	0	0	0	.00
1945	0	0	0	0	0	.00
1946	0	0	0	0	0	.00
1947	0	0	0	0	0	.00
1948	5362	2432	10724	20904	58532	24.07
1949	0	0	0	0	0	.00
1950	0	0	0	0	0	.00
1951	15763	7149	34048	55725	156030	21.83
1952	0	0	0	0	0	.00
1953	0	0	0	0	0	.00
1954	0	0	0	0	0	.00
1955	0	0	0	0	0	.00
1956	6980	3166	10586	15706	43977	13.89
1957	14214	6447	21372	31063	86979	13.49
1958	18581	8428	26779	38365	107422	12.75
1959	31457	14268	37748	53016	148447	10.40
1960	37835	17161	45402	62970	176318	10.27
1961	19923	9036	22388	30880	86464	9.57
1962	0	0	0	0	0	.00
1963	65	29	146	195	546	18.83
1964	541	245	703	916	2566	10.47
1965	3883	1761	9600	12136	33982	19.30
1966	6312	2863	15881	19203	53768	18.78
1967	4272	1937	18412	21434	60015	30.98
1968	0	0	0	0	0	.00
1969	2269	1029	11209	12091	33856	32.90
1970	13701	6214	85905	88744	248485	39.99
1971	20910	9484	113541	113541	317914	33.52
1972	22304	10116	80071	76330	213726	21.13
1973	4077	1849	20059	17642	49397	26.72
1974	16169	7334	132553	102436	286822	39.11
1975	5378	2439	42325	28890	80894	33.17
1976	96	43	710	442	1239	28.81
1977	0	0	0	0	0	.00
1978	0	0	0	0	0	.00
1979	0	0	0	0	0	.00
1980	0	0	0	0	0	.00
1981	688	312	2170	881	2466	7.90
1982	4409	2000	11000	3928	11000	5.50
TOTAL	462029	209554		1407428	3940835	



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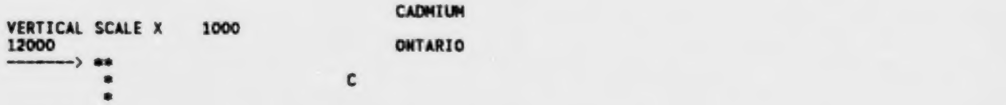
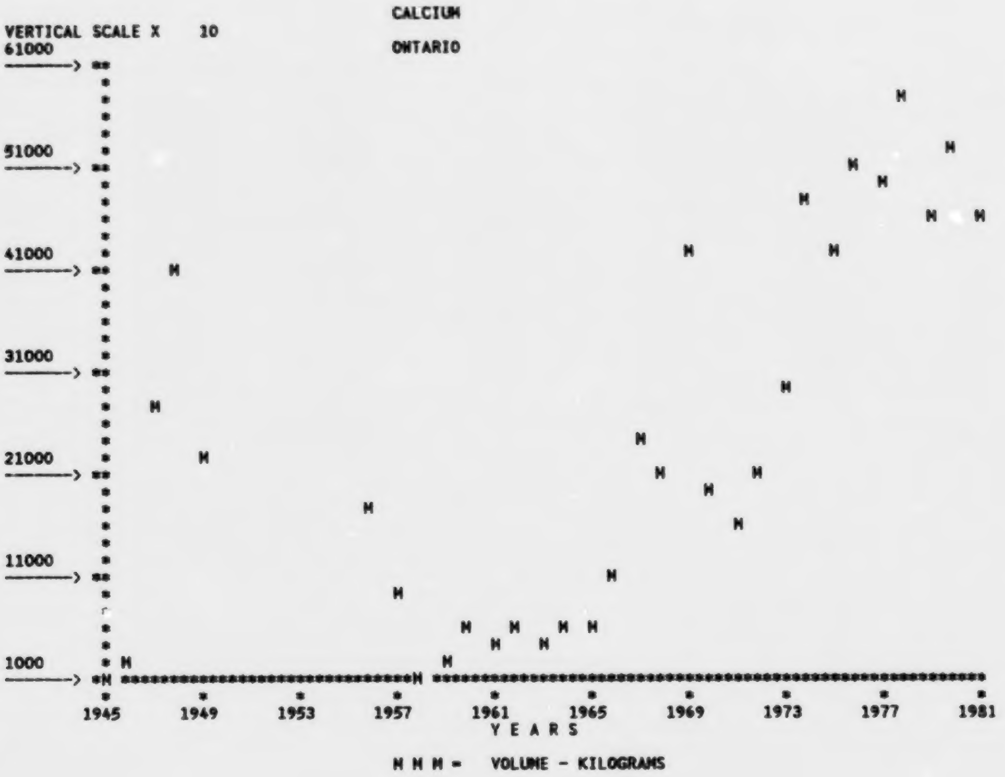


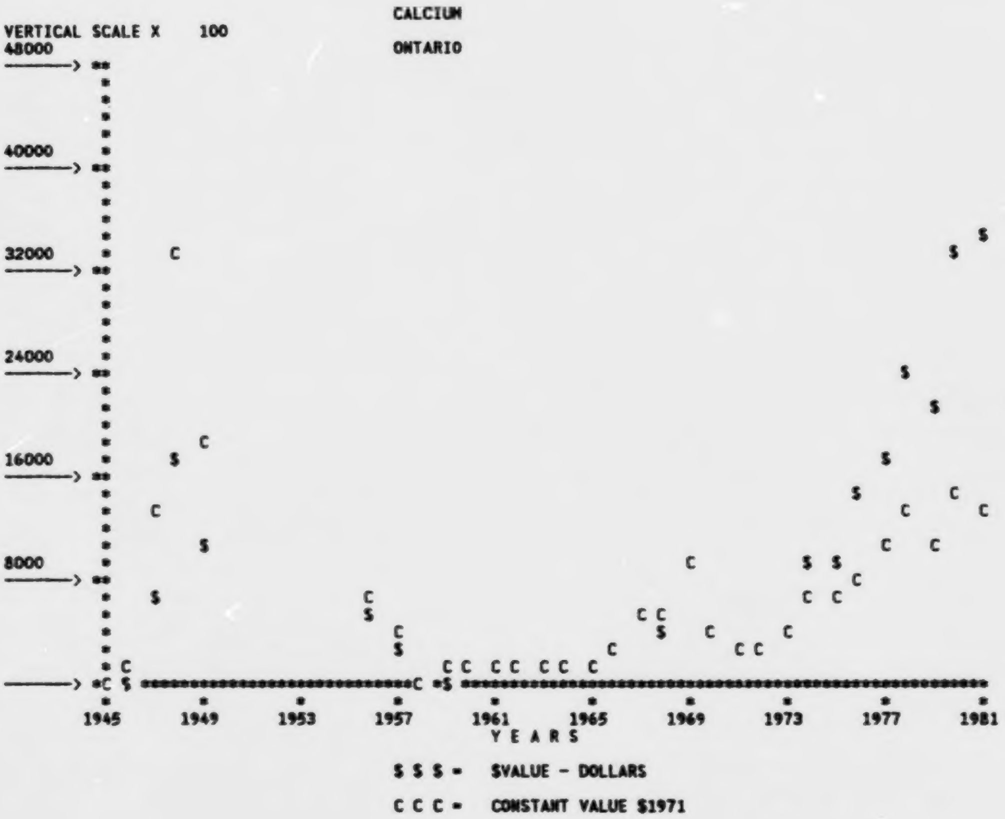
$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF CADMIUM IN ONTARIO

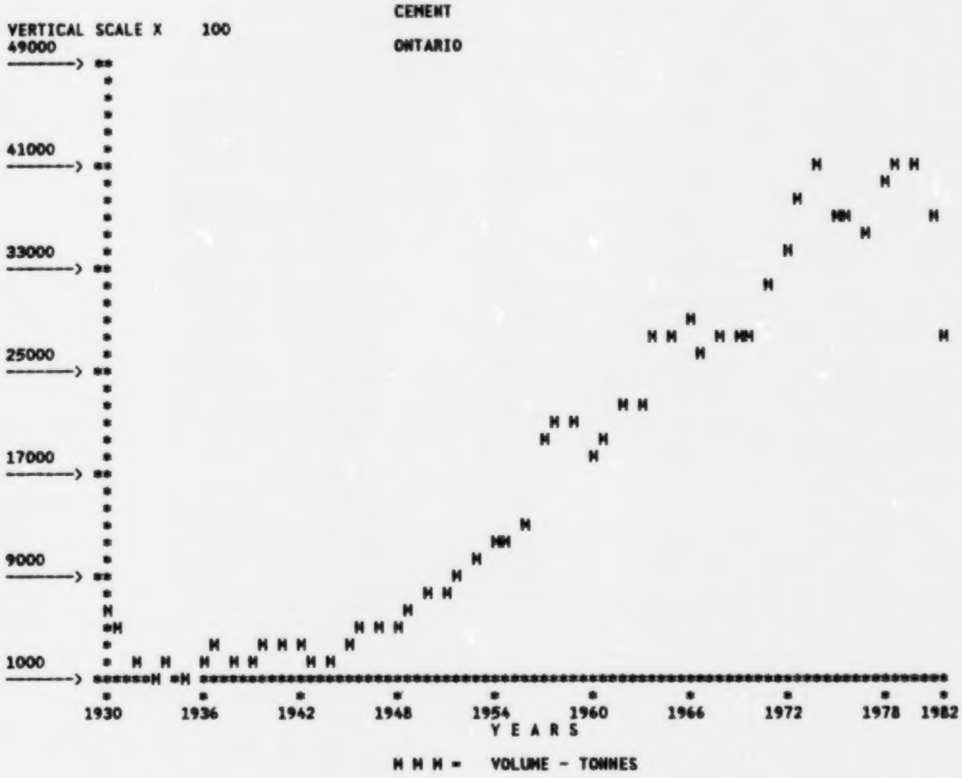
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1964	187609	85098	607853	792507	2219020	26.08
1965	209724	95129	583033	737083	2063833	21.70
1966	217237	98537	560471	677715	1897604	19.26
1967	2024006	918073	5667217	6597458	18472884	20.12
1968	2732729	1239545	7788278	8780471	24585319	19.83
1969	3075505	1395025	10825778	11678293	32699221	23.44
1970	2351277	1066521	8370546	8647258	24212323	22.70
1971	2414008	1094975	4683176	4683176	13112892	11.98
1972	2575274	1168124	6515443	6211099	17391077	14.89
1973	2764697	1254045	10063497	8850920	24782578	19.76
1974	1680019	762043	6681436	5163397	14457512	18.97
1975	1468335	666025	5011427	3420769	9578154	14.38
1976	1617883	733859	4246943	2647720	7413616	10.10
1977	1329485	603044	4187878	2439066	6829387	11.32
1978	1141902	517958	3191617	1746916	4891367	9.44
1979	1483352	672837	4795677	2389475	6690530	9.94
1980	1717694	779133	5283454	2372453	6642869	8.53
1981	1343089	609215	2959469	1201570	3364398	5.52
1982	1047195	475000	1437000	513214	1437000	3.03
TOTAL	31381020	14234186		79550560	222741584	

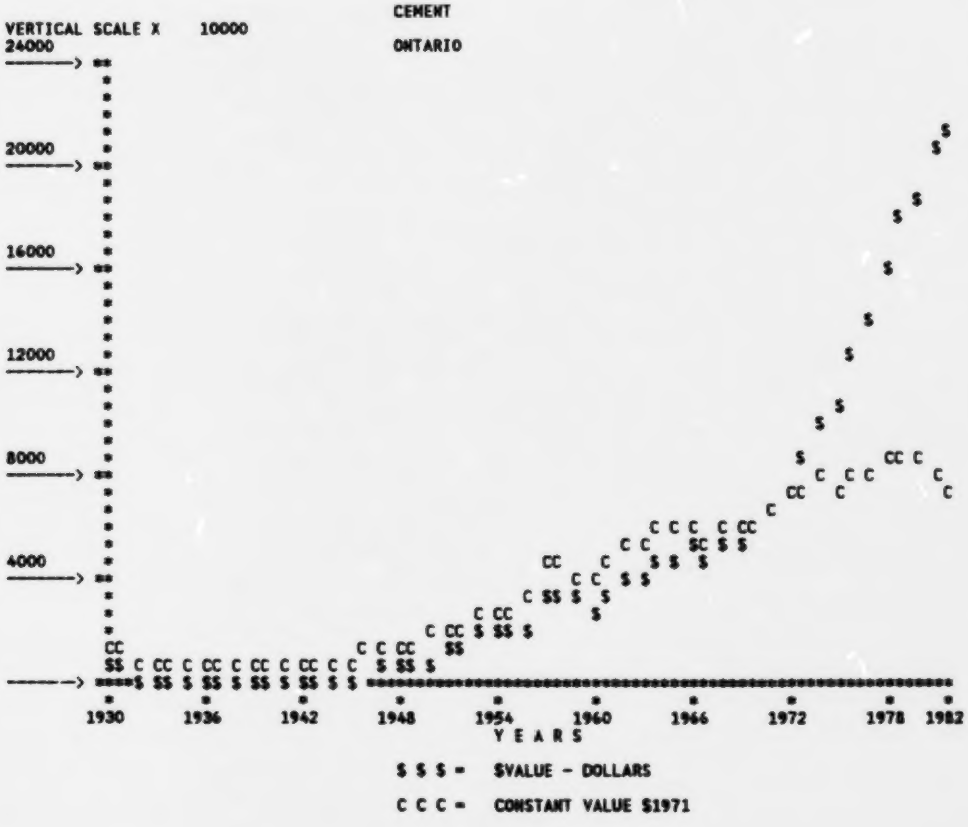

CALCIUM
ONTARIO
VERTICAL SCALE X 10
61000
51000
41000
31000
21000
11000
1000
1945
1949
1953
1957
1961
1965
1969
1973
1977
1981
YEARS
M M M = VOLUME - KILOGRAMS


CALCIUM
ONTARIO
VERTICAL SCALE X 100
48000
40000
32000
24000
16000
8000
1945
1949
1953
1957
1961
1965
1969
1973
1977
1981
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF CALCIUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1945	22720	10305	19312	47333	132533	12.86
1946	53548	24288	68720	163619	458133	18.86
1947	602665	273364	642607	1406142	3937198	14.40
1948	895203	406057	1723266	3359192	9405740	23.16
1949	520609	236144	1041551	1943192	5440938	23.04
1956	394900	179123	515305	764547	2140732	11.95
1957	221225	100345	282378	410433	1149212	11.45
1958	25227	11442	31256	44779	125382	10.96
1959	67429	30585	76409	107316	300484	9.82
1960	134801	61144	159241	220861	618411	10.11
1961	99355	45066	100881	139146	389609	8.65
1962	123511	56023	124412	169268	473950	8.46
1963	98673	44757	117247	156747	438892	9.81
1964	138357	62757	151694	197775	553772	8.82
1965	159434	72318	152848	193233	541054	7.48
1966	249179	113025	245125	296402	829927	7.34
1967	543692	246614	535509	623409	1745547	7.08
1968	468512	212513	450946	508394	1423504	6.70
1969	942682	427593	953522	1028610	2880109	6.74
1970	443557	201194	374476	386855	1083195	5.38
1971	355247	161137	291504	291504	816211	5.07
1972	469378	212906	337609	321838	901148	4.23
1973	651921	295706	489813	430794	1206223	4.08
1974	1049587	476084	915487	707486	1980961	4.16
1975	944213	428287	1004674	685784	1920196	4.48
1976	1133096	513963	1432505	893082	2500632	4.87
1977	1082152	490855	1801506	1049217	2937808	5.99
1978	1267138	574764	2397480	1312249	3674298	6.39
1979	1004675	455712	2152146	1072319	3002495	6.59
1980	1169786	530606	3421621	1536426	4301993	8.11
1981	1034856	469403	3512073	1425933	3992612	8.51
TOTAL	16367328	7424080		21893885	61302899	


CEMENT
ONTARIO
VERTICAL SCALE X 100
49000
41000
33000
25000
17000
9000
1000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - TONNES

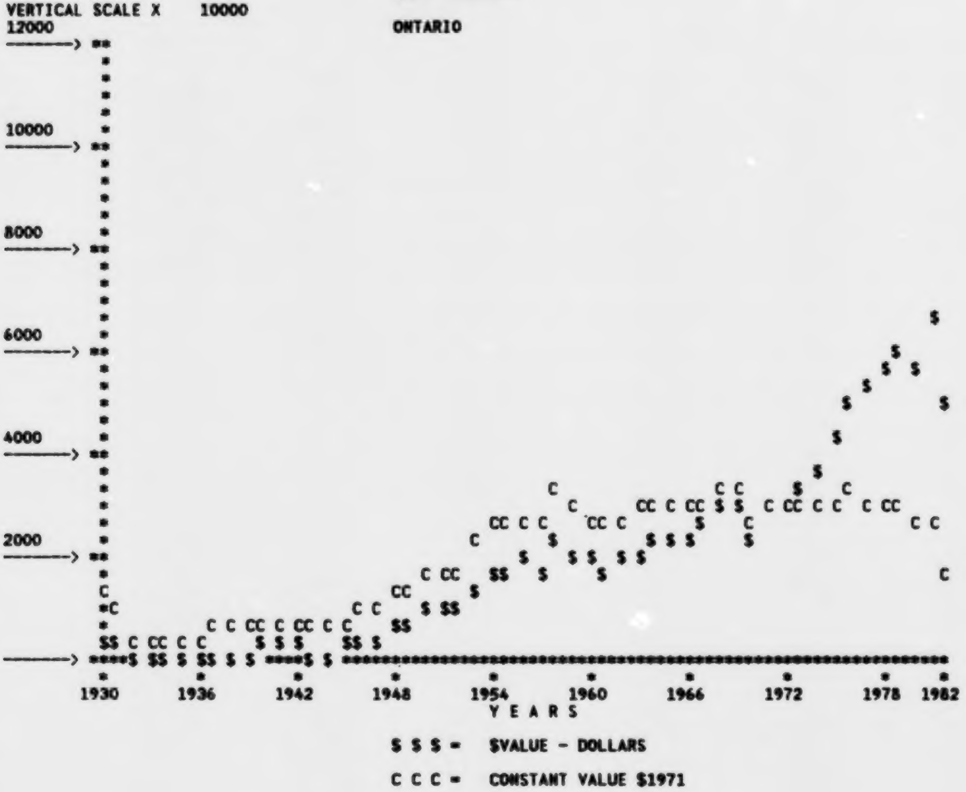

CEMENT
ONTARIO
VERTICAL SCALE X 10000
24000
20000
16000
12000
8000
4000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF CEMENT IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1908	354003	321146	2417769	6716025	18804870	58.56
1909	403071	365659	2897348	8048188	22534929	61.63
1910	432571	392421	3144343	8734286	24456001	62.32
1911	526898	477993	3640642	10112894	28316104	59.24
1912	523839	475218	3365659	9349052	26177347	55.08
1913	665406	603646	4105455	11404041	31931316	52.90
1914	466488	423190	2931190	8142194	22798144	53.87
1915	402892	365497	2534537	7040380	19713065	53.93
1916	375191	340367	2242433	6228980	17441145	51.24
1917	291959	264860	2092783	5813286	16277201	61.46
1918	214592	194674	1910839	5307886	14862081	76.34
1919	353950	321098	3659720	10165888	28464489	88.65
1920	356228	323164	4377814	12160594	34049664	105.36
1921	476537	432307	6424356	17845433	49967213	115.58
1922	543267	492843	6235370	17320472	48497322	98.40
1923	576874	523331	5855589	16265525	45543470	87.03
1924	623787	565890	5668671	15746308	44089663	77.91
1925	605912	549674	5253911	14594197	40863752	74.34
1926	594800	539593	4792857	13131115	36767122	68.14
1927	656562	595623	5144326	14250210	39900589	66.99
1928	684564	621026	5520897	15378543	43059921	69.34
1929	809324	734206	6608246	18154522	50832661	69.23
1930	689970	625930	5779404	16326000	45712800	73.03
1931	607259	550896	5006826	15035513	42099438	76.42
1932	279884	253906	2288975	7604568	21292791	83.86
1933	191772	173972	1587812	5364229	15019843	86.33
1934	297872	270224	2403590	8011966	22433506	83.02
1935	217671	197467	1752148	5821089	16299051	82.54
1936	269931	244877	2180895	7012524	19635067	80.18
1937	463864	420810	3657067	11428334	31999336	76.04
1938	318155	288625	2555214	8010075	22428210	77.71
1939	299121	271358	2437777	7690148	21532415	79.35
1940	412186	373928	3518247	10629145	29761606	79.59
1941	481049	436400	4019656	11259540	31526713	72.24
1942	487336	442103	3998294	10719286	30014003	67.89
1943	345101	313070	2872732	7442310	20838470	66.56
1944	326061	295797	2730381	6843060	19160568	64.78
1945	430674	390700	3805131	9326301	26113644	66.84
1946	643596	583860	6025503	14346435	40170020	68.80
1947	617651	560323	6219993	13610488	38109366	68.01
1948	640632	581171	7076317	13793990	38623172	66.46
1949	804881	730175	9155613	17081367	47827829	65.50
1950	929866	843560	10953896	19988861	55968811	66.35
1951	951667	863337	12494677	20449553	57258749	66.32
1952	975979	885393	14142060	22201036	62162901	70.21
1953	1238681	1123712	18497744	29084503	81436609	72.47
1954	1261410	1144331	18958173	29347017	82171647	71.81
1955	1341275	1216784	19707042	30318526	84891873	69.77
1956	1450437	1315814	21455019	31832372	89130644	67.74
1957	2211887	2006590	33505994	48700572	136361602	67.96
1958	2400158	2177386	35195552	50423427	141185596	64.84
1959	2386334	2164845	31731767	44567088	124787849	57.64
1960	2007044	1820759	30699800	42579473	119222524	65.48
1961	2226923	2020230	35671569	49202164	137766060	68.19
1962	2510783	2277744	38704090	52658626	147444152	64.73
1963	2552665	2315738	39551719	52876629	148054562	63.93
1964	3043771	2761262	46804126	61022329	170862522	61.88
1965	3145873	2853888	50055554	63281358	177187802	62.09
1966	3242591	2941629	52680630	63700883	178362472	60.63
1967	2894483	2625830	47597495	55410355	155148994	59.09
1968	3103849	2815764	53683873	60522968	169464314	60.18
1969	3112697	2823791	56650012	61111124	171111148	60.60
1970	3142511	2850838	58481550	60414824	169161510	59.34
1971	3570397	3239009	68300184	68300184	191240516	59.04
1972	3761195	3412098	76213423	72653407	203429538	59.62
1973	4319308	3918410	86609966	76174112	213287514	54.43
1974	4592199	4165972	102390409	79127055	221555754	53.18
1975	4118853	3736561	110922439	75714976	212001930	56.74
1976	4100582	3719986	126123662	78630712	220165994	59.18
1977	4020464	3647304	138795199	80835876	226340454	62.06
1978	4355101	3950882	160206032	87688030	245526484	62.14
1979	4538413	4117179	182252209	90808276	254263172	61.76
1980	4483482	4067347	190792978	85672644	239883404	58.98
1981	4174714	3787237	205062550	83257227	233120236	61.55
1982	3086471	2800000	215208000	76860000	215208000	76.86
TOTAL	115015444	104340228		2364682574	6621111254	

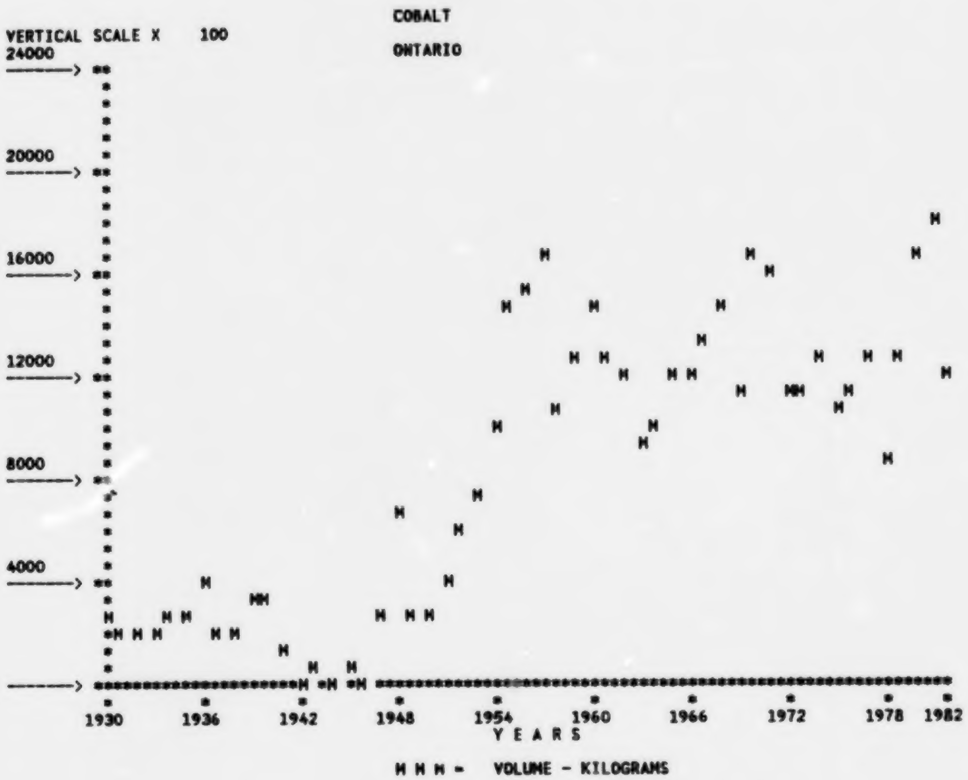
CLAY PRODUCTS

ONTARIO



VOLUME AND VALUE OF PRODUCTION OF CLAY PRODUCTS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	N/A	N/A	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/N/A
1895	0	0	1287629	3576747	10014892	.00
1896	0	0	974720	2707555	7581155	.00
1897	0	0	218498	606938	1699428	.00
1898	0	0	1488061	4133502	11573807	.00
1899	0	0	1940902	5391394	15095904	.00
1900	0	0	2018181	5606058	15696963	.00
1901	0	0	2295126	6375350	17850980	.00
1902	0	0	2113106	5869738	16435268	.00
1903	0	0	2412509	6701413	18763959	.00
1904	0	0	2305200	6403333	17929333	.00
1905	0	0	2731335	7587041	21243716	.00
1906	0	0	3136915	8713652	24398227	.00
1907	0	0	3571726	9921461	27780091	.00
1908	0	0	2856476	7934655	22217035	.00
1909	0	0	3199015	8886152	24881227	.00
1910	0	0	3630559	10084886	28237681	.00
1911	0	0	4263395	11842764	33159739	.00
1912	0	0	4831056	13419600	37574880	.00
1913	0	0	5561151	15447641	43253396	.00
1914	0	0	4105597	11404436	31932421	.00
1915	0	0	1871379	5198275	14555170	.00
1916	0	0	1584699	4401941	12325436	.00
1917	0	0	2596749	7213191	20196936	.00
1918	0	0	2018450	5606805	15699055	.00
1919	0	0	3776562	10490450	29373260	.00
1920	0	0	4735154	13153205	36828975	.00
1921	0	0	5183125	14397569	40313194	.00
1922	0	0	6944218	19289494	54010584	.00
1923	0	0	6269140	17414277	48759978	.00
1924	0	0	5137865	14271847	39961172	.00
1925	0	0	5184626	14401739	40324869	.00
1926	0	0	5356469	14675257	41090721	.00
1927	0	0	5853035	16213393	45397501	.00
1928	0	0	6177664	17207977	48182337	.00
1929	0	0	6830162	18764181	52539707	.00
1930	0	0	5221214	14749192	41297737	.00
1931	0	0	3552799	10669066	29873385	.00
1932	0	0	1690505	5616295	15725628	.00
1933	0	0	1024579	3461415	9691963	.00
1934	0	0	1261006	4203353	11769389	.00
1935	0	0	1370225	4552242	12746279	.00
1936	0	0	1573936	5060887	14170484	.00
1937	0	0	2033845	6355765	17796143	.00
1938	0	0	2083496	6531335	18287739	.00
1939	0	0	2341617	7386804	20683052	.00
1940	0	0	2513884	7594815	21265484	.00
1941	0	0	3087616	8648784	24216596	.00
1942	0	0	2549487	6835085	19138240	.00
1943	0	0	2453829	6357070	17799796	.00
1944	0	0	2347396	5883198	16472954	.00
1944	0	0	2347396	5883198	16472954	.00
1945	0	0	3107189	7615659	21323846	.00
1946	0	0	4321499	10289283	28809993	.00
1947	0	0	5278438	11550192	32340539	.00
1948	0	0	6563754	12794842	35825558	.00
1949	0	0	7435439	13872087	38841845	.00
1950	0	0	9323263	17013253	47637110	.00
1951	0	0	10484341	17159314	48046079	.00
1952	0	0	11975200	18799372	52638241	.00
1953	0	0	14829222	23316386	65285883	.00
1954	0	0	17230231	26672184	74682116	.00
1955	0	0	18314320	28175877	78892455	.00
1956	0	0	19173336	28447086	79651842	.00
1957	0	0	18353299	26676306	74693658	.00
1958	0	0	22786291	32645116	91406325	.00
1959	0	0	22174895	31144515	87204644	.00
1960	0	0	20191325	28004611	78412913	.00
1961	0	0	19036556	26257318	73520492	.00
1962	0	0	20146786	27410593	76749661	.00
1963	0	0	21819687	29170704	81677972	.00
1964	0	0	23723512	30930263	86604738	.00
1965	0	0	25130709	31770807	88958262	.00
1966	0	0	25799667	31196695	87350747	.00
1967	0	0	27450940	31956856	89479199	.00
1968	0	0	30629362	34531411	96687953	.00
1969	0	0	31672797	34166987	95667565	.00
1970	0	0	25197229	26030195	72884547	.00
1971	0	0	29815391	29815391	83483095	.00
1972	0	0	31569829	30095166	84266465	.00
1973	0	0	34600965	30431807	85209060	.00
1974	0	0	39073763	30196107	84549101	.00
1975	0	0	44769040	30559071	85565401	.00
1976	0	0	52117111	32491964	90977501	.00
1977	0	0	53784270	31324560	87708769	.00
1978	0	0	57142237	31276538	87574309	.00
1979	0	0	60767493	30277774	84777768	.00
1980	0	0	58109858	26093335	73061339	.00
1981	0	0	66660263	27064662	75781054	.00
1982	0	0	50946000	18195000	50946000	.00
TOTAL	0	0		1457780420	4081785262	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ONTARIO
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20000
16000
12000
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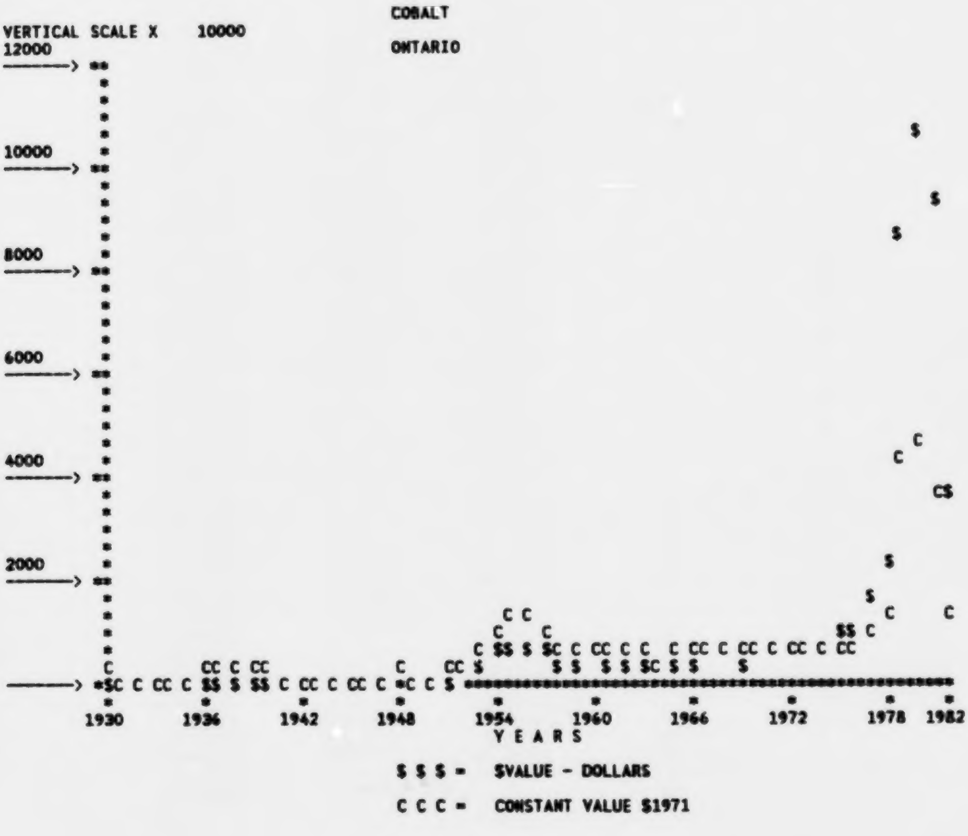
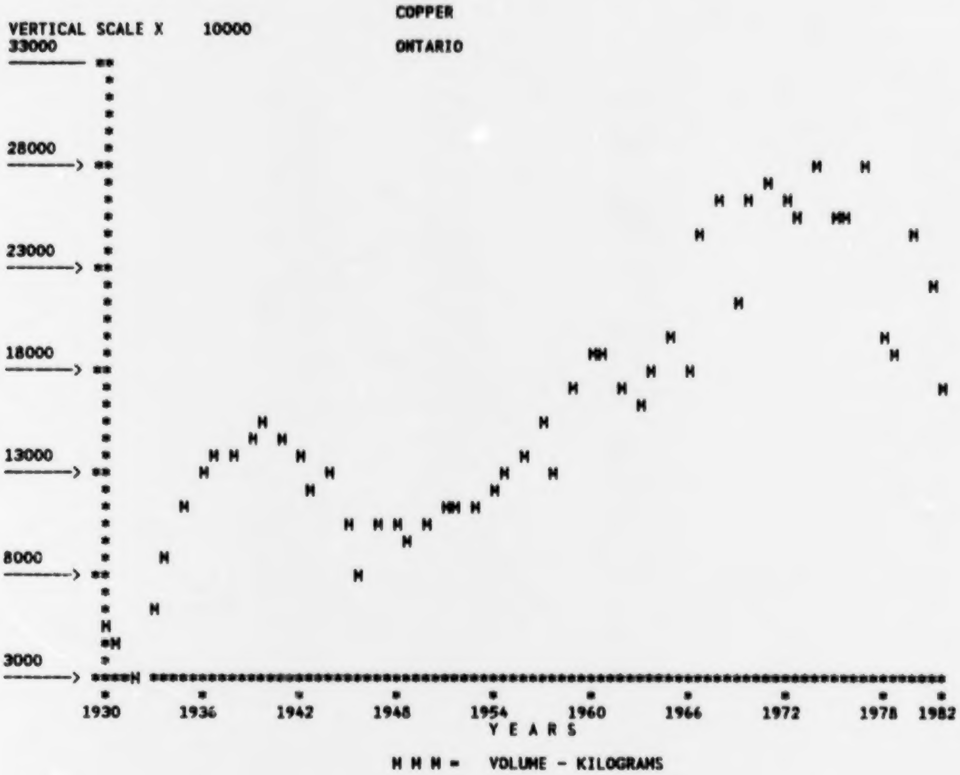
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - KILOGRAMS


COBALT
ONTARIO
VERTICAL SCALE X 10000
12000
10000
8000
6000
4000
2000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF COBALT IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1904	58000	26308	36620	101722	284822	10.83
1905	236000	107047	100000	277777	777777	7.27
1906	642000	291206	80704	224177	627697	2.16
1907	1478000	670409	92751	257641	721396	1.08
1908	2448000	1110394	111118	308661	864251	.78
1909	3066000	1390714	94965	263791	738616	.53
1910	2196000	996088	54699	151941	425436	.43
1911	1706000	773828	170890	474694	1329144	1.72
1912	1872000	849124	315781	877169	2456074	2.89
1913	1188526	539106	420386	1167738	3269668	6.06
1914	643988	292108	546749	1518747	4252492	14.56
1915	426641	193521	379657	1054602	2952887	15.26
1916	1020244	462774	762327	2117575	5929210	12.81
1917	815098	369722	1122779	3118830	8732725	23.62
1918	881931	400037	1615130	4486472	12562122	31.40
1919	747986	339280	1009479	2804108	7851503	23.14
1920	736932	334266	1603736	4454822	12473502	37.32
1921	204098	92577	502370	1395472	3907322	42.21
1922	507764	230317	1080873	3002425	8406790	36.50
1923	1476697	669818	1803872	5010755	14030115	20.95
1924	1279777	580497	1662526	4618127	12930757	22.28
1925	1466262	665085	2328517	6468102	18110687	27.23
1926	664778	301538	1136014	3112367	8714628	28.90
1927	880590	399428	1764534	4887905	13686136	34.26
1928	954860	433117	1671900	4657103	13039888	30.11
1929	929415	421575	1801915	4950315	13860884	32.88
1930	694163	314867	1144007	3231658	9048642	28.74
1931	521051	236344	651179	1955492	5475379	23.17
1932	490631	222546	587957	1953345	5469367	24.58
1933	466702	211692	597752	2019432	5654410	26.71
1934	594671	269738	592497	1974990	5529972	20.50
1935	681419	309086	512705	1703338	4769348	15.43
1936	887592	402604	803580	2583858	7234803	17.97
1937	507064	230000	848145	2650453	7421268	32.27
1938	459226	208301	790913	2479351	6942183	33.33
1939	732561	332284	1213454	3827930	10718205	32.26
1940	794359	360315	1235220	3731782	10448991	29.00
1941	263257	119411	255904	716817	2007090	16.81
1942	83871	38043	88444	237115	663922	17.45
1943	175961	79814	191407	495873	1388444	17.40
1944	36283	16457	34106	85478	239340	14.54
1945	109123	49497	90026	220651	617825	12.48
1946	75848	34404	64471	153502	429806	12.49
1947	578403	262359	955917	2091722	5856821	22.32
1948	1545744	701137	2624410	5115808	14324265	20.43
1949	619065	280803	952469	1776994	4975584	17.72
1950	583806	264809	964003	1759129	4925562	18.60
1951	951607	431641	1999612	3272687	9163524	21.23
1952	1421923	644973	3226903	5065781	14184188	21.99
1953	1602545	726902	4013077	6309869	17667634	24.31
1954	2252965	1021927	5912997	9153246	25629089	25.08
1955	3296270	1495162	8510314	13092790	36659814	24.52
1956	3392543	1538831	8781626	13029118	36481532	23.71
1957	3750596	1701241	7541258	10961130	30691166	18.04
1958	2436064	1104980	4866767	6972445	19522847	17.67
1959	2835684	1286244	5414246	7604278	21291979	16.55
1960	3258401	1477985	6312921	8755785	24516198	16.59
1961	2884420	1308350	4309912	5944706	16645177	12.72
1962	2649193	1201653	4765808	6484092	18155459	15.11
1963	2156732	978277	4409262	5894735	16505258	16.87
1964	2212016	1003353	4259215	5553083	15548633	15.50
1965	2620810	1188779	5511436	6967681	19509508	16.41
1966	2684235	1217548	5464495	6607611	18501313	15.20
1967	2929470	1328785	5967044	6946500	19450201	14.64
1968	3221025	1461032	6957851	7844251	21963904	15.03
1969	2553583	1158285	5421046	5847946	16374249	14.14
1970	3692529	1674902	8211391	8482842	23751957	14.18
1971	3511207	1592656	7650337	7650337	21420943	13.45
1972	2593814	1176534	6387560	6089189	17049731	14.49
1973	2528297	1146816	6913957	6080876	17026455	14.85
1974	2775392	1258896	8141841	6291994	17617585	13.99
1975	2399759	1088512	10277852	7015598	19643676	18.05
1976	2532997	1148948	10942034	6821717	19100807	16.62
1977	2784530	1263041	16052589	9349207	26177780	20.73
1978	1999628	907016	24026091	13150569	36821595	40.60
1979	2817375	1277939	86299973	42999488	120398567	94.21
1980	3716879	1685948	106900800	48002155	134406036	79.72
1981	4037367	1831319	94392310	38324121	107307539	58.60
1982	2619091	1188000	36976000	13205714	36976000	31.12
TOTAL	126547334	57400870		458299297	1283238100	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ONTARIO
VERTICAL SCALE X 10000
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23000
18000
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1948
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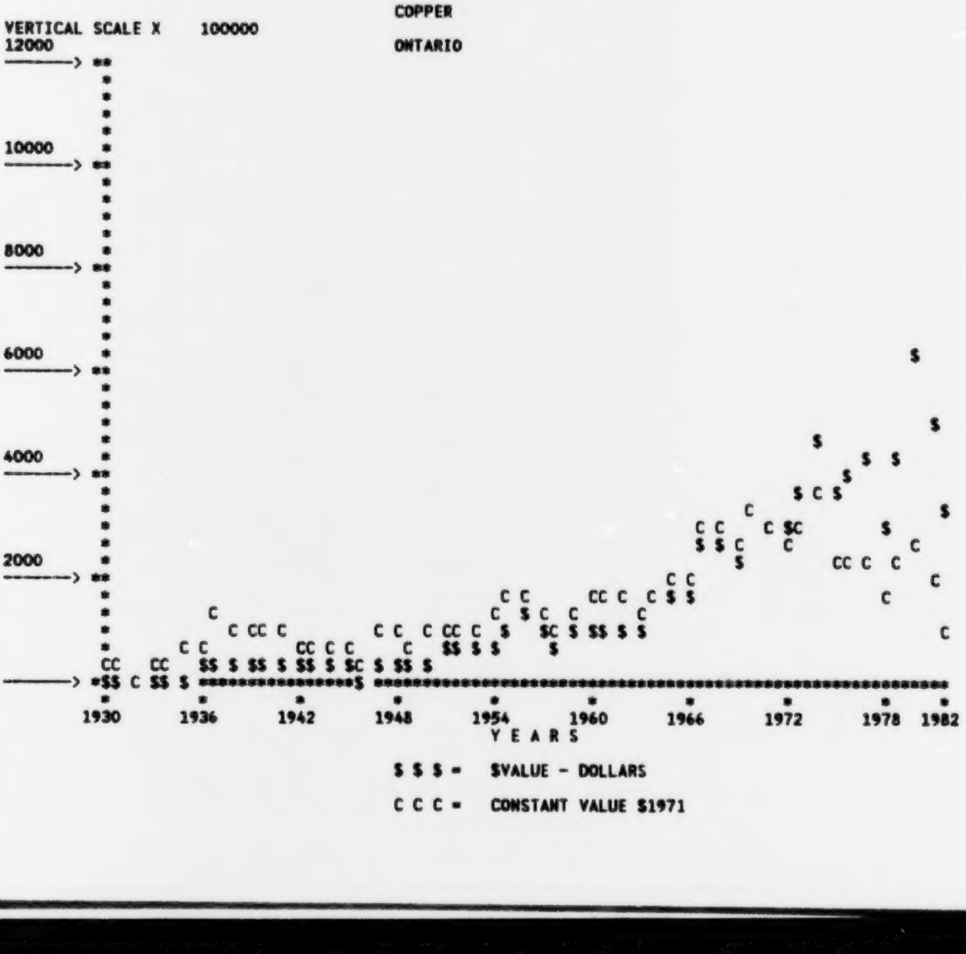
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - KILOGRAMS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VERTICAL SCALE X 100000
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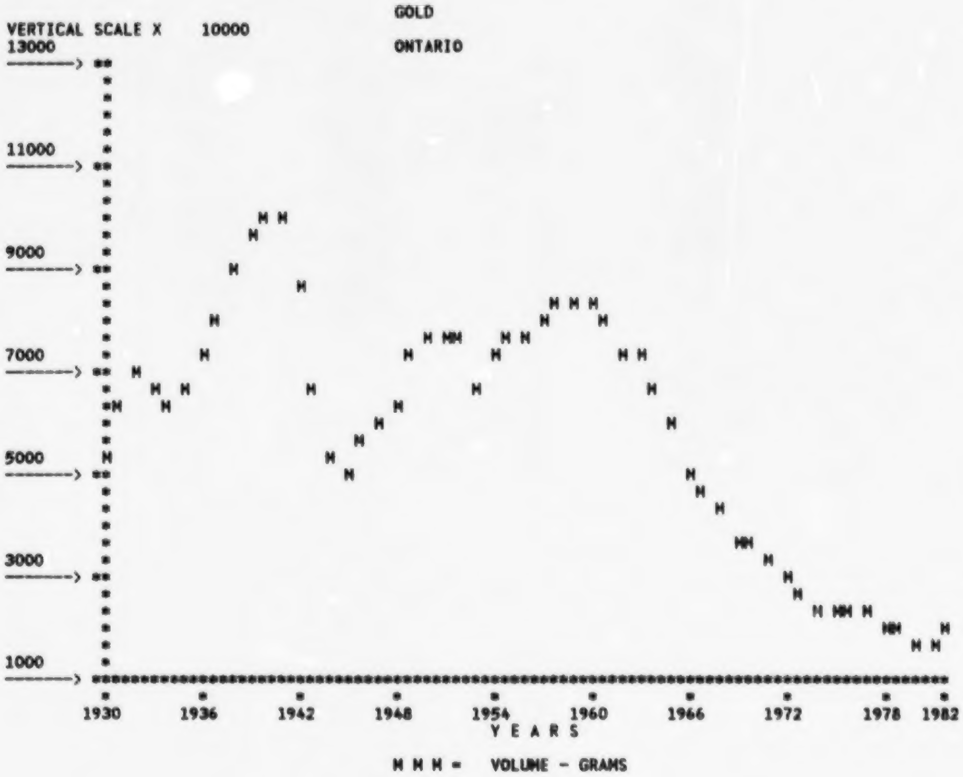
10000
8000
6000
4000
2000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF COPPER IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1895	4731000	2145945	160913	446980	1251545	.58
1896	3736000	1694621	130660	362944	1016244	.60
1897	5500000	2494758	200067	555741	1556076	.62
1898	8373500	3798155	268080	744666	2085066	.55
1899	5668000	2570961	176237	489547	1370732	.53
1900	6728000	3051769	319681	888002	2486407	.81
1901	8444000	3830133	550806	1530016	4284046	1.12
1902	8456000	3835577	644845	1791236	5015461	1.31
1903	14462000	6559852	716806	1991127	5575157	.85
1904	4326000	1962240	297126	825350	2310980	1.18
1905	9050000	4105010	688993	1913869	5358834	1.31
1906	12064000	5472138	960813	2668925	7472990	1.37
1907	13750000	6236895	1045511	2904197	8131752	1.30
1908	15122000	6859223	1071140	2975388	8331088	1.21
1909	15865264	7196362	1127016	3130600	8765680	1.22
1910	19260000	8736189	1374103	3816952	10687467	1.22
1911	18042000	8183713	1281591	3559975	9967930	1.22
1912	22252000	10093337	1584310	4400861	12322411	1.22
1913	25882868	11740271	1840492	5112477	14314937	1.22
1914	28904814	13111003	2081332	5781477	16188137	1.23
1915	39255484	17805988	3925118	10903105	30528695	1.71
1916	45016875	20419311	8332253	23145147	64806412	3.17
1917	42927755	19471702	7961193	22114425	61920390	3.18
1918	47113920	21370514	8474448	23540133	65912373	3.08
1919	24546071	11133910	3609687	10026908	28075343	2.52
1920	30227016	13710743	3965695	11015819	30844294	2.25
1921	10503179	4764161	1101730	3060361	8569011	1.80
1922	19917563	9034454	2067365	5742680	16079505	1.78
1923	28108707	12749895	3456073	9600202	26880567	2.11
1924	34580646	15685517	3819797	10610547	29709532	1.89
1925	39659791	17989378	4738432	13162311	36854471	2.05
1926	41312867	18739201	4828964	13230038	37044107	1.98
1927	45341295	20566465	4946533	13702307	38366461	1.87
1928	68400738	31026053	8770149	24429384	68402276	2.20
1929	88880853	40315677	14622609	40172002	112481607	2.79
1930	127708478	57927591	14056224	39706847	111179172	1.92
1931	112882625	51202697	8907069	26747954	74894274	1.46
1932	77055413	34951747	4407928	14644279	41003982	1.17
1933	145504720	65999831	10118847	34185294	95718824	1.45
1934	205059539	93013443	14822704	49409013	138345238	1.49
1935	252027928	114317945	19295965	64106196	179497352	1.57
1936	287914078	130595630	26898920	86491705	242176772	1.85
1937	313266041	142095086	40564887	126765272	354942760	2.50
1938	309030106	140173700	30405500	95315047	266882132	1.90
1939	328429665	148973190	32637305	102956798	288279032	1.94
1940	347931013	157818852	34742229	104961418	293891968	1.86
1941	333829767	151422636	33192644	92976594	260334464	1.72
1942	308282415	139834552	30625404	82105640	229895792	1.64
1943	277840533	126026346	32194369	83405102	233534284	1.85
1944	285307278	129413206	33845632	84826146	237513206	1.84
1945	239457242	108615978	29772270	72971250	204319500	1.88
1946	179430423	81388271	22503827	53580540	150025516	1.84
1947	227873343	103361610	46019294	100698674	281956288	2.73
1948	240687191	109173874	53366733	104028719	291280412	2.67
1949	226085423	102550624	44658786	83318631	233292166	2.27
1950	234420544	106331370	54411033	99290206	278012576	2.61
1951	257616806	116853018	70861788	115976740	324734872	2.78
1952	250715175	113722491	70981618	111431112	312007112	2.74
1953	261164653	118462295	77587440	121992830	341579924	2.88
1954	281552361	127710003	81343536	125918786	352572600	2.76
1955	292813108	132817792	107251943	165002988	462008368	3.48
1956	312541701	141766530	128552450	190730638	534045792	3.77
1957	343406269	155766464	98488877	143152436	400826824	2.57
1958	284069476	128851747	71267895	102103001	285888404	2.22
1959	376544371	170797654	110547037	155262694	434735544	2.55
1960	412544528	187127050	123750235	171636942	480583436	2.57
1961	423293547	192002724	122421860	168857738	472801664	2.46
1962	377990690	171453694	116347723	158296222	443229424	2.59
1963	357919536	162349572	112048454	149797398	419432708	2.58
1964	395833331	179546980	131458795	171393476	479901732	2.67
1965	432544119	196198714	161665138	204380706	572265976	2.92
1966	405951287	184136408	181375552	219317476	614088936	3.33
1967	552291827	250515358	261814899	304790336	853412944	3.41
1968	581236227	263644318	278313194	313769104	878553504	3.33
1969	477619761	216644680	244300501	263538838	737908752	3.41
1970	590184892	267703366	340839782	352107216	985900208	3.68
1971	604739883	274305396	317527865	317527864	889078024	3.24
1972	579445166	262831908	293493836	279784404	783396328	2.98
1973	574646559	260655296	365305858	321289236	899609848	3.45
1974	625886355	283897276	483995146	374030256	1047284712	3.69
1975	568303206	257778000	361431937	246711220	690791416	2.68
1976	573637656	260197664	391377336	244000834	683202336	2.63
1977	617154302	279936484	427980593	249260680	697929912	2.49
1978	434397447	197039368	323999680	177339724	496551232	2.52
1979	425373435	192946146	457472114	227938274	638227168	3.31
1980	540186384	245024420	631187524	283425024	793590072	3.24
1981	499093006	226384780	521019544	211538588	592308048	2.62
1982	381119724	172873000	336307000	120109643	336307000	1.95
TOTAL	20024504759	9082962584		8647428683	24212800374	


GOLD
ONTARIO
VERTICAL SCALE X 10000
13000
11000
9000
7000
5000
3000
1000
1930
1936
1942
1948
1954
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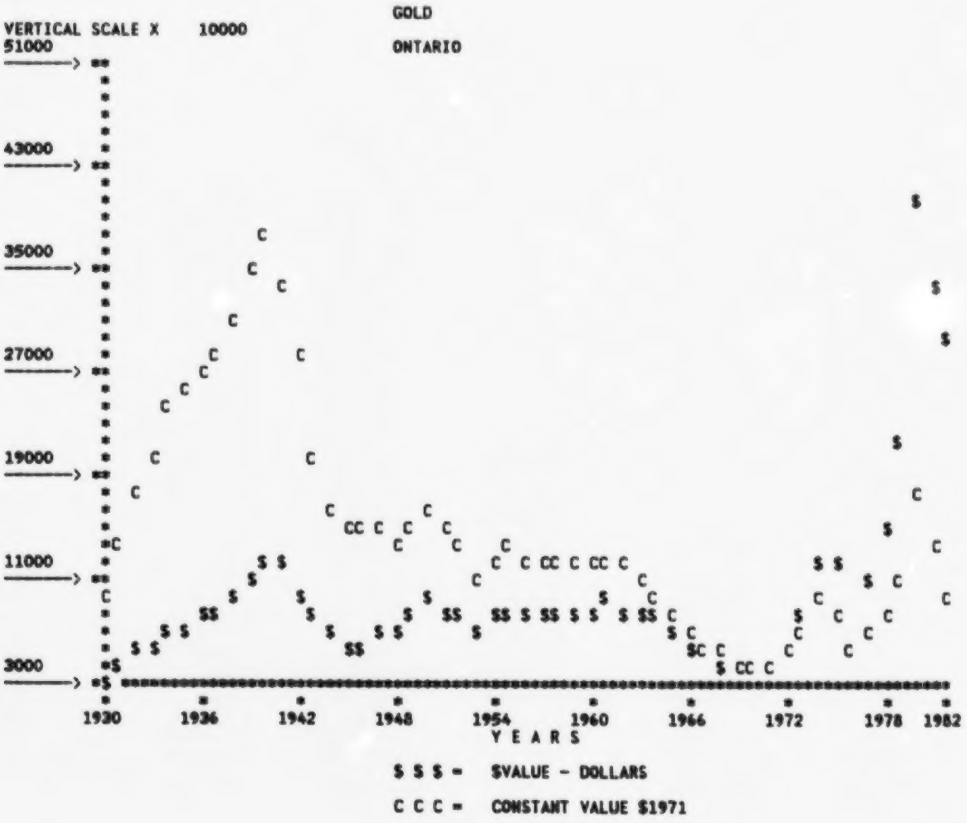
1982
YEARS
M M M = VOLUME - GRAMS


GOLD
ONTARIO
VERTICAL SCALE X 10000
51000
43000
35000
27000
19000
11000
3000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF GOLD IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	TROY OUNCES	GRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/GRAMS
1895	0	0	57322	159227	445837	.00
1896	0	0	121929	338691	948336	.00
1897	9065	281953	193243	536786	1503001	5.33
1898	14177	440953	265003	736119	2061134	4.67
1899	27620	859078	424708	1179744	3303284	3.85
1900	18768	583750	297595	826652	2314627	3.97
1901	14298	444717	244350	678750	1900500	4.27
1902	8636	268609	229839	638441	1787636	6.66
1903	5935	184599	185807	516130	1445165	7.83
1904	647	20123	16130	44805	125455	6.23
1905	5429	168860	100612	279477	782537	4.63
1906	3442	107058	66389	184413	516358	4.82
1907	3821	118846	66560	184888	517688	4.36
1908	3475	108084	60084	166900	467320	4.32
1909	2051	63793	32745	90958	254683	3.99
1910	3619	112563	68498	190272	532762	4.73
1911	2185	67961	43264	120177	336497	4.95
1912	102278	3181201	2133589	5926636	16594581	5.22
1913	220625	6862204	4544122	12622561	35343171	5.15
1914	268203	8342045	5545025	15402847	43127972	5.17
1915	407128	12663096	8409750	23360416	65409167	5.17
1916	497525	15474757	10332880	28702444	80366845	5.19
1917	420855	13090053	8697947	24160964	67650699	5.17
1918	411876	12810775	8502482	23618005	66130415	5.16
1919	505962	15737177	10451708	29032522	81291062	5.17
1920	565703	17595330	13067854	36299594	101638865	5.78
1921	712570	22163404	16085413	44681703	125108768	5.64
1922	995850	30974397	20788693	57746369	161689834	5.22
1923	974221	30301660	20417049	56714025	158799270	5.24
1924	1241726	38621996	25872600	71868334	201231334	5.21
1925	1461111	45445632	30152453	83756814	234519080	5.16
1926	1497312	46571609	30952317	84800869	237442434	5.10
1927	1627048	50606849	33679706	93295584	261227636	5.16
1928	1578412	49094101	32631922	90896718	254510812	5.18
1929	1622253	50457708	33696819	92573678	259206298	5.14
1930	1736009	53995915	35923157	101477845	284137964	5.26
1931	2085815	64876098	45016930	135185974	378520732	5.83
1932	2287391	71145813	53418277	177469360	496914212	6.98
1933	2155610	67046965	60752124	205243602	574682256	8.57
1934	2105338	65483331	72808295	242694318	679544088	10.38
1935	2220426	69062968	78067209	259359500	726206608	10.52
1936	2389558	74323562	83308201	267872030	750041680	10.09
1937	2587090	80467494	90508688	282839652	791951024	9.84
1938	2896477	90090505	101945441	319578184	894818920	9.93
1939	3086060	95987195	112114762	353674328	990288112	10.32
1940	3261688	101449837	125579597	379394556	1062304760	10.47
1941	3194309	99354116	122977102	344473676	964526288	9.71
1942	2763822	85964473	106413978	285292164	798818064	9.29
1943	2117214	65852716	81517998	211186524	591322272	8.98
1944	1731838	53866183	66675000	167105264	467894736	8.69
1945	1625367	50554564	62576089	153372768	429443748	8.49
1946	1801294	56026506	65998448	157139162	439989660	7.85
1947	1939317	60319501	67876390	148526018	415872852	6.89
1948	2095424	65174971	73339904	142962776	400295772	6.14
1949	2354510	73233447	85269362	159084632	445436964	6.08
1950	2481113	77171241	94216874	171928602	481400084	6.24
1951	2462978	76607179	91105477	149108800	417504640	5.45
1952	2513701	78184841	87540620	137426406	384793932	4.92
1953	2182438	67881410	75388307	118535074	331898204	4.89
1954	2361387	73447346	80460251	124551472	348744120	4.75
1955	2523040	78475316	87223660	134190246	375732688	4.79
1956	2513912	78191403	86489962	128323386	359305484	4.60
1957	2578206	80191170	86621067	125902713	352527596	4.40
1958	2716514	84493030	92192231	132080560	369825568	4.38
1959	2683449	83464594	90083383	126521606	354260500	4.24
1960	2732673	84995631	92774248	128674407	360288344	4.24
1961	2637720	82042263	93533551	129011794	361233024	4.40
1962	2421249	75309262	90578924	123236631	345062568	4.58
1963	2338854	72746491	88291739	118037083	330503832	4.54
1964	2155370	67039500	81365217	106082422	297030780	4.43
1965	1946003	60527459	73420747	92820161	259896448	4.29
1966	1660750	51655099	62626883	75727791	212037816	4.10
1967	1495385	46511672	56450784	65716861	184007212	3.96
1968	1379779	42915924	52031466	58660052	164248146	3.83
1969	1229666	38246888	46346112	49995806	139988258	3.66
1970	1162042	36143546	42484255	43888693	122888342	3.40
1971	1133987	35270938	40079636	40079636	112222981	3.18
1972	1019303	31703867	58720007	55977128	156735960	4.94
1973	922303	28686830	89843380	79017924	221250186	7.71
1974	801105	24917150	124427629	96157365	269240620	10.81
1975	755148	23487728	123678894	84422454	236382868	10.06
1976	739547	23002483	91043412	56760232	158928650	6.91
1977	739122	22989264	116107936	67622560	189343168	8.24
1978	701035	21804625	154513020	84571986	236801562	10.86
1979	616422	19172867	221473644	110350595	308981664	16.12
1980	594708	18497499	403893082	181361960	507813488	27.45
1981	588612	18307895	333797134	135524618	379468932	20.73
1982	636649	19802000	293856000	104948572	293856000	14.84
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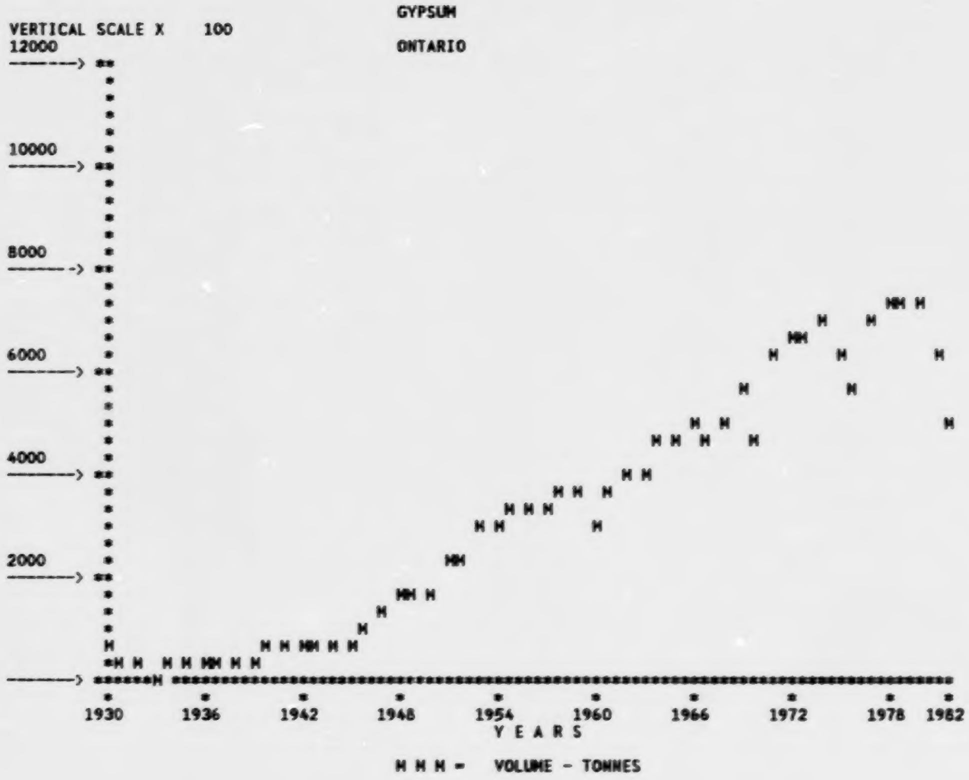
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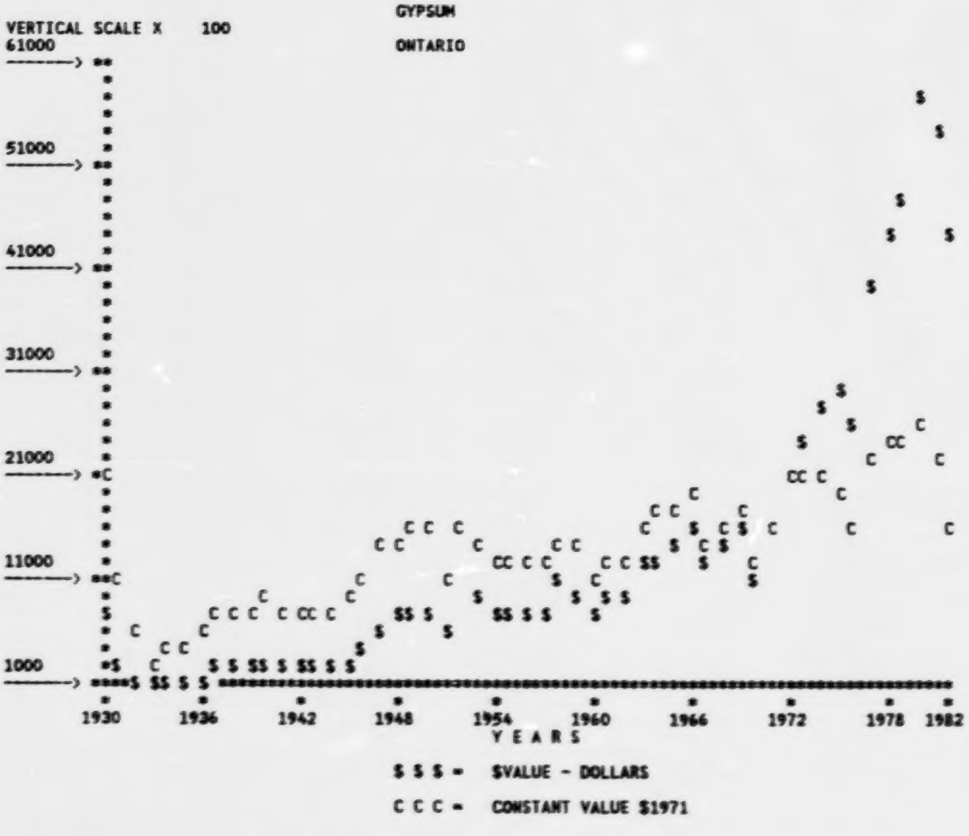
M M M = VOLUME - TONNES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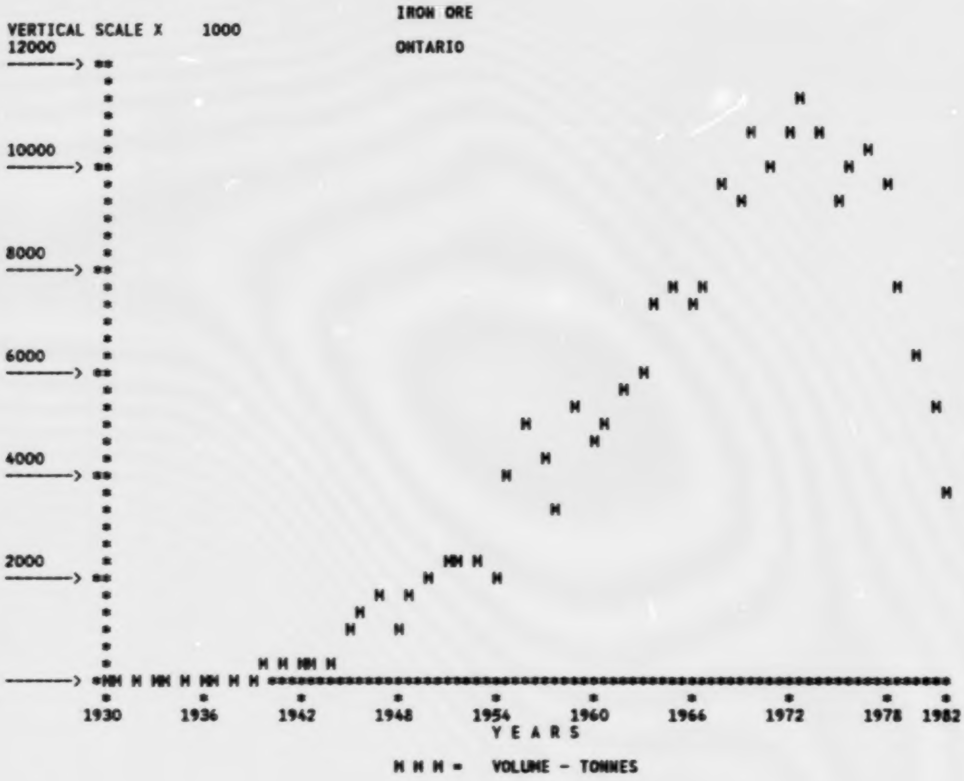
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF GYPSUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1895	3817	3462	20566	57127	159957	46.20
1896	4200	3810	20750	57638	161388	42.36
1897	3200	2902	18881	52447	146852	50.60
1898	2970	2694	17255	47930	134205	49.82
1899	1861	1688	16512	45866	128426	76.08
1900	1861	1688	18050	50138	140388	83.17
1901	2305	2091	15662	43505	121815	58.26
1902	3834	3478	19149	53191	148936	42.82
1903	4740	4300	21988	61077	171017	39.77
1904	7802	7077	29024	80622	225742	31.90
1905	4206	3815	27951	77641	217396	56.98
1906	4711	4273	25095	69708	195183	45.68
1907	10186	9240	19652	54588	152848	16.54
1908	10389	9424	20778	57716	161606	17.15
1909	11488	10421	23604	65566	183586	17.62
1910	10043	9110	17825	49513	138638	15.22
1911	20335	18447	32535	90375	253050	13.72
1912	31331	28423	50246	139572	390802	13.75
1913	40581	36814	92627	257297	720432	19.57
1914	74300	67403	221175	614375	1720250	25.52
1915	81172	73638	200422	556727	1558837	21.17
1916	36668	33264	116208	322800	903840	27.17
1917	48943	44400	130138	361494	1012184	22.80
1918	38214	34667	151564	421011	1178831	34.00
1919	59899	54339	278111	772530	2163085	39.81
1920	74707	67773	404162	1122672	3143482	46.38
1921	84790	76920	433053	1202925	3368190	43.79
1922	110227	99996	621668	1726855	4835195	48.35
1923	99958	90680	542317	1506436	4218021	46.52
1924	88121	79942	467097	1297491	3632976	45.45
1925	82020	74407	491833	1366202	3825367	51.41
1926	89987	81634	496059	1359065	3805384	46.62
1927	83998	76201	500688	1386947	3883452	50.96
1928	85811	77846	553271	1541144	4315205	55.43
1929	100347	91033	832689	2287607	6405299	70.36
1930	94946	86133	776069	2192285	6138398	71.27
1931	53358	48405	374469	1124531	3148688	65.05
1932	35655	32345	186176	618524	1731869	53.54
1933	24460	22189	112319	379456	1062477	47.88
1934	33234	30149	141389	471296	1319630	43.77
1935	38247	34697	164807	547531	1533088	44.19
1936	40191	36460	182783	587726	1645634	45.14
1937	53780	48788	233895	730921	2046581	41.95
1938	57503	52165	242470	760094	2128263	40.80
1939	59440	53923	260793	822690	2303534	42.72
1940	75271	68284	313512	947166	2652065	38.84
1941	90599	82190	276459	774394	2168305	26.38
1942	82795	75110	304170	815469	2283313	30.40
1943	92448	83867	335637	869525	2434672	29.03
1944	90288	81907	348873	874368	2448231	29.89
1945	92174	83618	385516	944892	2645698	31.64
1946	122527	111154	490980	1169000	3273200	29.45
1947	155249	140839	671548	1469470	4114517	29.21
1948	182303	165382	770004	1500982	4202750	25.41
1949	203187	184328	871467	1625871	4552439	24.70
1950	199314	180814	875217	1597111	4471911	24.73
1951	262581	238209	672276	1100288	3080806	12.93
1952	278992	253097	1060429	1664723	4661226	18.42
1953	334495	303448	899630	1414512	3960635	13.05
1954	357432	324256	822094	1272591	3563255	10.99
1955	366416	332407	808424	1243729	3482441	10.48
1956	366956	332896	840829	1247520	3493058	10.49
1957	379621	344386	853199	1240114	3472321	10.08
1958	425733	386218	1059590	1518037	4250504	11.01
1959	412100	373850	1017340	1428848	4000775	10.70
1960	355603	322597	871408	1208610	3384108	10.49
1961	425287	385813	991944	1368198	3830956	9.93
1962	435140	394752	1007818	1371180	3839306	9.73
1963	439206	398440	1225301	1638102	4586688	11.51
1964	517239	469231	1376992	1795295	5026828	10.71
1965	531918	482547	1444293	1825907	5112541	10.59
1966	565185	512727	1581010	1911741	5352875	10.44
1967	536375	486591	1268365	1476559	4134367	8.50
1968	570715	517743	1461189	1647338	4612547	8.91
1969	622058	564321	1597938	1723773	4826565	8.55
1970	537271	487404	1195424	1234942	3457838	7.09
1971	699041	634159	1656421	1656421	4637978	7.31
1972	726491	659061	2158231	2057417	5760769	8.74
1973	754330	684316	2393625	2105211	5894591	8.61
1974	774398	702522	2783539	2151112	6023113	8.57
1975	695117	630600	2936056	2004133	5611574	8.90
1976	632757	574028	2680192	1670942	4678639	8.15
1977	770945	699390	3991126	2324476	6508533	9.31
1978	833013	755697	4524758	2476605	6934495	9.18
1979	819580	743511	4831117	2407133	6739973	9.07
1980	815743	740030	5728570	2572326	7202512	9.73
1981	716002	649546	5477033	2223724	6126428	9.59
1982	557769	506000	4506000	1609285	4506000	8.91
TOTAL	20833181	18899506		94934473	265816604	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VERTICAL SCALE X 1000
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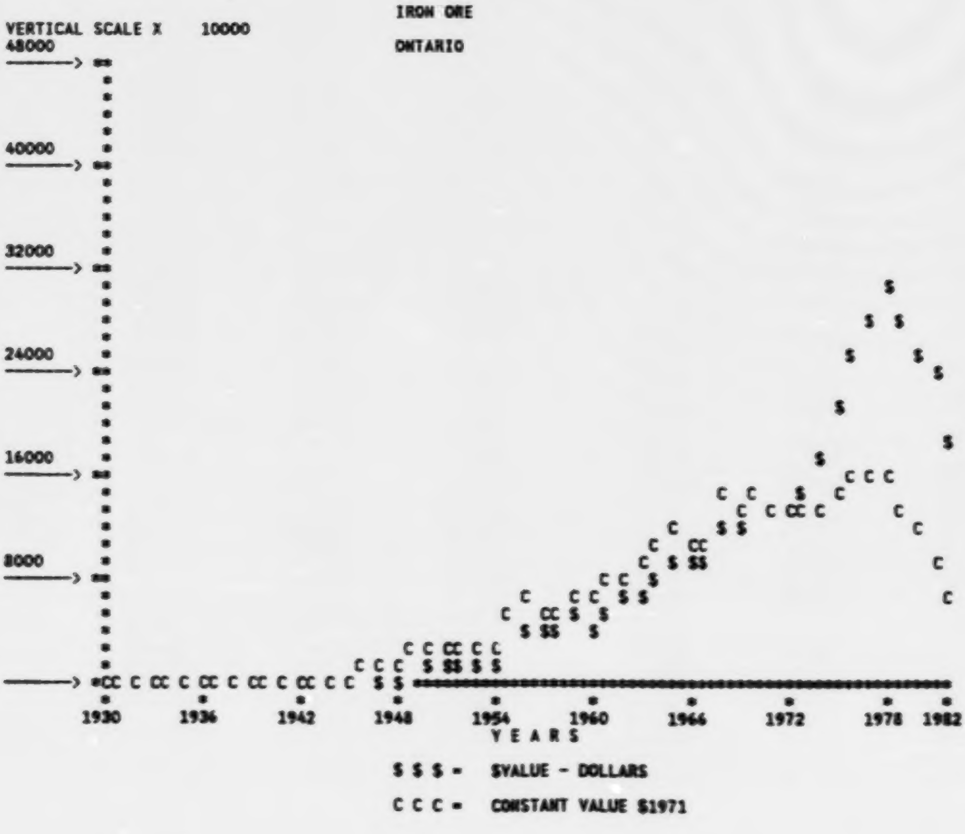
1982
YEARS
M M M = VOLUME - TONNES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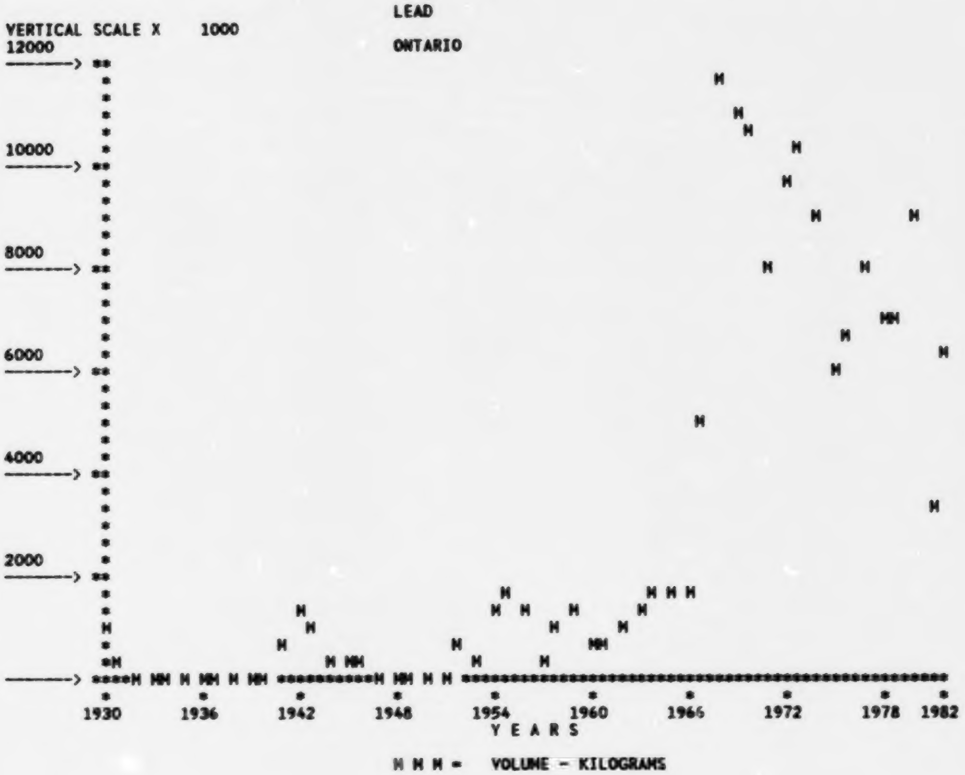
1966
1972
1978
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF IRON ORE IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1896	15270	13852	0	0	0	.00
1897	2770	2512	0	0	0	.00
1898	20968	19021	0	0	0	.00
1899	16911	15341	30951	85975	240730	15.69
1900	90302	81920	111804	310566	869586	10.62
1901	273354	247982	152578	423827	1186717	4.79
1902	359288	325940	518445	1440125	4032350	12.37
1903	208154	188834	450099	1250275	3500770	18.54
1904	128253	116349	273067	758519	2123854	18.25
1905	211597	191957	227909	633080	1772625	9.23
1906	128099	116209	301032	836200	2341360	20.15
1907	205295	186240	482532	1340366	3753026	20.15
1908	216177	196112	593760	1649333	4618133	23.55
1909	263777	239294	645622	1793394	5021504	20.98
1910	230656	209247	513721	1427002	3995607	19.10
1911	175631	159329	445929	1238691	3468336	21.77
1912	117357	106464	238883	663563	1857978	17.45
1913	195937	177751	424072	1177977	3298337	18.56
1914	240059	217777	531379	1476052	4132947	18.98
1915	394053	357478	764515	2123652	5946227	16.63
1916	320487	290740	763136	2119822	5935502	20.42
1917	297239	269650	823742	2288172	6406882	23.76
1918	228479	207272	1023077	2841880	7957265	38.39
1919	195915	177731	688452	1912366	5354626	30.13
1920	126710	114949	510000	1416666	3966666	34.51
1921	58508	53077	227134	630927	1766597	33.28
1922	16191	14688	52055	144597	404872	27.56
1923	30451	27624	113543	315397	883112	31.97
1924	44	39	110	305	855	21.92
1925	0	0	0	0	0	.00
1926	0	0	0	0	0	.00
1927	0	0	0	0	0	.00
1928	0	0	0	0	0	.00
1929	0	0	0	0	0	.00
1930	0	0	0	0	0	.00
1931	0	0	0	0	0	.00
1932	0	0	0	0	0	.00
1933	0	0	0	0	0	.00
1934	0	0	0	0	0	.00
1935	0	0	0	0	0	.00
1936	0	0	0	0	0	.00
1937	0	0	0	0	0	.00
1938	0	0	0	0	0	.00
1939	123598	112126	341594	1077583	3017234	26.91
1940	404752	367184	1183861	3576619	10014534	27.27
1941	516037	468140	1426057	3994557	11184760	23.89
1942	545119	494523	1516142	4064723	11381226	23.01
1943	498850	452549	1452250	3762305	10534456	23.28
1944	553252	501901	1909608	4785985	13400757	26.70
1945	1135444	1030057	3635095	8909546	24946730	24.22
1946	1549523	1405703	6822947	16245112	45486314	32.36
1947	1919366	1741219	9313201	20378995	57061188	32.77
1948	1336565	1212511	7482860	14586471	40842120	33.68
1949	2011736	1825016	13192781	24613397	68917513	37.76
1950	2435716	2209644	17562059	32047552	89733148	40.61
1951	2841984	2578204	21205152	34705650	97175819	37.69
1952	2717490	2465265	19632551	30820331	86296927	35.01
1953	2832090	2569228	23137997	36380498	101865395	39.65
1954	2416911	2192584	20341203	31487930	88166205	40.21
1955	4362191	3957313	34340897	52832149	147930018	37.38
1956	5558203	5042316	44177246	65544875	183525654	36.40
1957	4867105	4415362	41317629	60054693	168153140	38.08
1958	3644952	3306644	36851421	52795732	147828050	44.71
1959	6018089	5459518	50830404	71391017	199894850	36.61
1960	5325197	4830937	48399442	67128213	187958998	38.91
1961	5772664	5236872	62350773	86001066	240802984	45.98
1962	6414936	5819532	64479510	87727225	245636230	42.21
1963	6749617	6123149	70033690	93627927	262158194	42.81
1964	8046769	7299906	85613354	111621062	312538972	42.81
1965	8475218	7688588	94209236	119101436	333484020	43.37
1966	8144289	7388374	91700740	110883604	310474092	42.02
1967	8649763	7846933	99903925	116302590	325647252	41.50
1968	10907197	9894842	127137824	143334638	401336992	40.56
1969	10516786	9540667	128166423	138259356	387126200	40.58
1970	11828337	10730486	144765483	149551120	418743140	39.02
1971	11178670	10141118	136205400	136205400	381375120	37.61
1972	11755336	10664261	139514537	132997654	372393432	34.92
1973	12424318	11271151	152468574	134097250	375472300	33.31
1974	12021608	10905819	180089730	139172898	389684116	35.73
1975	10476161	9503813	219024019	149504452	418612460	44.05
1976	11112149	10080772	252317984	157305476	440455336	43.69
1977	11375475	10319657	287810755	167624202	469347768	45.48
1978	10582190	9600001	308366931	168783212	472592996	49.23
1979	8680634	7874938	287190991	143094664	400665060	50.88
1980	7241227	6569131	261998580	117646421	329409980	50.15
1981	5946551	5394620	245462549	99659988	279047964	51.73
1982	4131462	3748000	187309000	66896071	187309000	49.98
TOTAL	260813459	236605954		3440880374	9634465108	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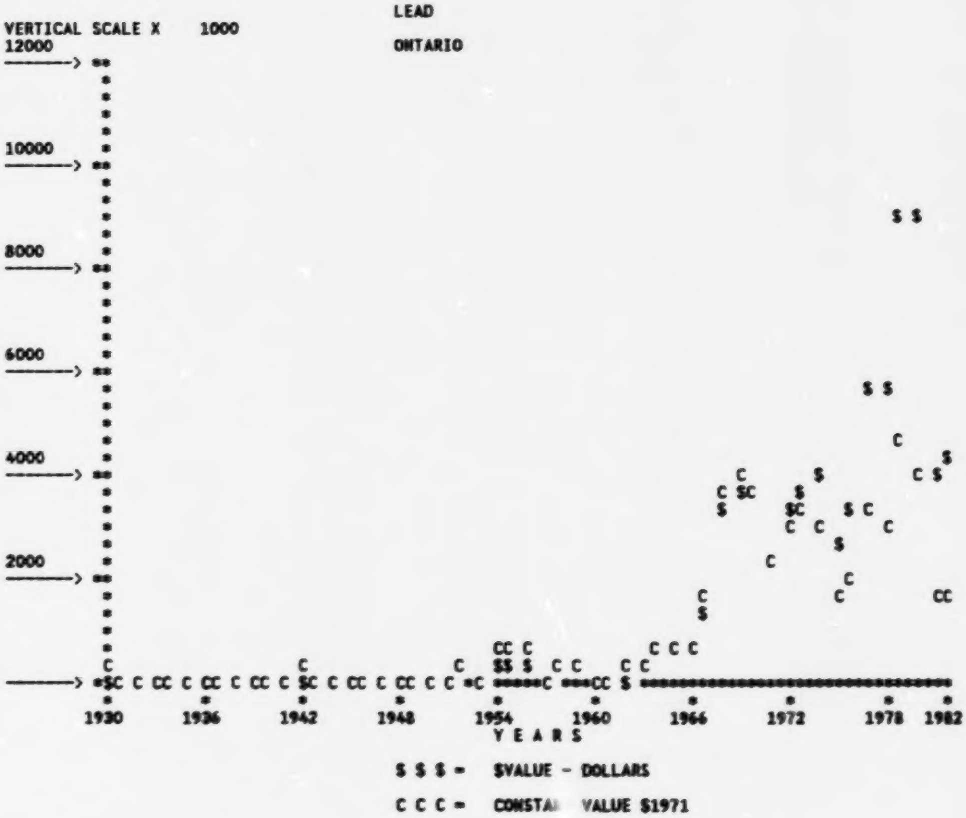
Y E A R S
M M M = VOLUME - KILOGRAMS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VERTICAL SCALE X 1000
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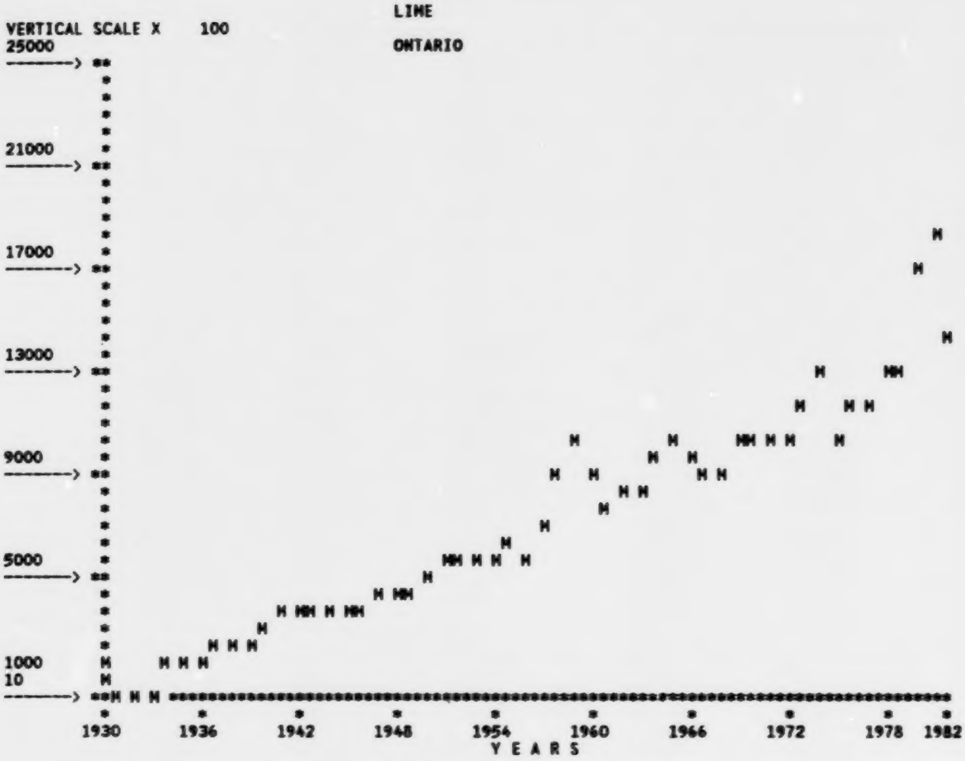
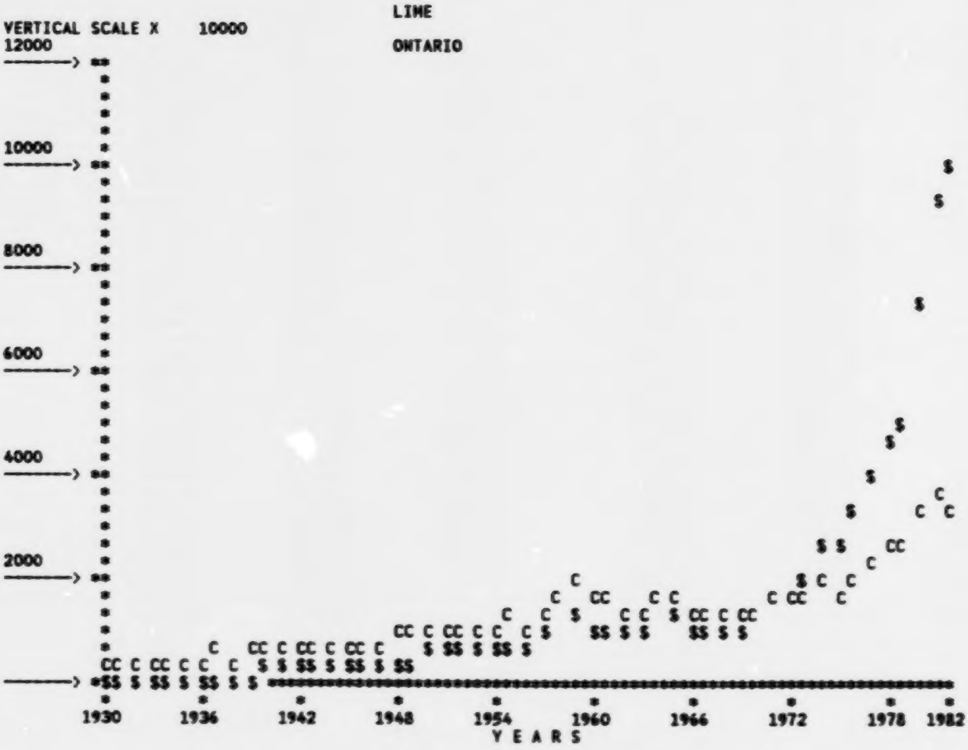
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF LEAD IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1903	50000	22679	1500	4166	11666	.51
1904	86000	39008	2500	6944	19444	.50
1905	282000	127913	9000	25000	70000	.55
1906	2200000	997903	93000	258333	723333	.72
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	0	0	0	0	0	.00
1910	0	0	0	0	0	.00
1911	0	0	0	0	0	.00
1912	52000	23586	1290	3583	10033	.43
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	796833	361437	70863	196841	551156	1.52
1917	1775674	805432	172849	480136	1344381	1.67
1918	1670251	757613	149841	416225	1165430	1.54
1919	1480987	671764	94507	262519	735054	1.09
1920	2232253	1012532	179714	499205	1397775	1.38
1921	3576222	1622147	191113	530869	1486434	.92
1922	2895695	1313465	173742	482616	1351326	1.03
1923	5256623	2384364	347886	966350	2705780	1.13
1924	5506756	2497822	419405	1165013	3262038	1.31
1925	7268193	3296796	601704	1671400	4679920	1.42
1926	7398796	3356037	580730	1591041	4454915	1.33
1927	7990709	3624524	528729	1464623	4100945	1.13
1928	6814757	3091121	402289	1120582	3137630	1.02
1929	4769506	2163411	294449	808925	2264992	1.05
1930	2193856	995116	116034	327779	917783	.92
1931	985633	447075	41987	126087	353043	.79
1932	86477	39225	1756	5833	16334	.42
1933	29910	13566	692	2337	6545	.48
1934	21558	9778	525	1750	4900	.50
1935	22532	10220	706	2345	6567	.64
1936	17442	7911	683	2196	6149	.78
1937	29849	13539	1525	4765	13343	.99
1938	22363	10143	748	2344	6565	.65
1939	39130	17749	1240	3911	10952	.62
1940	345455	156695	11614	35087	98245	.63
1941	1622823	736100	54559	152826	427913	.58
1942	3183159	1443856	107018	286911	803352	.56
1943	2273896	1031421	85362	221145	619206	.60
1944	1065741	483411	47958	120195	336547	.70
1945	668762	303345	33438	81955	229476	.76
1946	699244	317171	47199	112378	314660	.99
1947	282765	128260	38654	84582	236829	1.85
1948	343883	155982	62037	120929	338603	2.17
1949	0	0	0	0	0	.00
1950	0	0	0	0	0	.00
1951	0	0	0	0	0	.00
1952	1803455	818033	291979	458365	1283424	1.57
1953	656755	297899	84892	133477	373738	1.25
1954	2815611	1277139	375321	580992	1626778	1.27
1955	3853603	1747964	544148	837150	2344022	1.34
1956	3010163	1365386	466876	692694	1939544	1.42
1957	1012565	459291	141354	205456	575277	1.25
1958	2513224	1139979	285502	409028	1145280	1.00
1959	3222447	1461677	341902	480199	1344558	.92
1960	1661896	753823	177490	246171	689281	.91
1961	1670535	757741	170562	235257	658722	.87
1962	2287087	1037405	226879	308678	864300	.83
1963	3077814	1396072	338560	452620	1267336	.91
1964	4054865	1839255	544974	710526	1989474	1.08
1965	3877218	1758676	602518	761716	2132807	1.21
1966	3970467	1800973	593188	717276	2008375	1.12
1967	11058534	5016066	1548195	1802322	5046502	1.01
1968	25800813	11703052	3467629	3909390	10946292	.94
1969	24193257	10973876	3670117	3959133	11085574	1.01
1970	23920137	10849991	3784166	3909262	10945934	1.01
1971	17830939	8087977	2407177	2407177	6740095	.83
1972	21210868	9621087	3272413	3119554	8734753	.91
1973	22992009	10428999	3710910	3263773	9138564	.88
1974	20221581	9172354	4187081	3235765	9060144	.99
1975	13651446	6192191	2766329	1888279	5287181	.85
1976	15224610	6905766	3448831	2150144	6020403	.87
1977	17942009	8138358	5648504	3289751	9211305	1.13
1978	15565022	7060175	5731508	3137114	8783920	1.24
1979	15363345	6968696	9206177	4587033	12843694	1.84
1980	19753105	8959858	9087822	4080746	11426089	1.28
1981	7459387	3383521	4008744	1627585	4557240	1.35
1982	13781096	6251000	4527000	1616785	4527000	.72
TOTAL	401493596	182114397		68863144	192816870	



M M M = VOLUME - TONNES



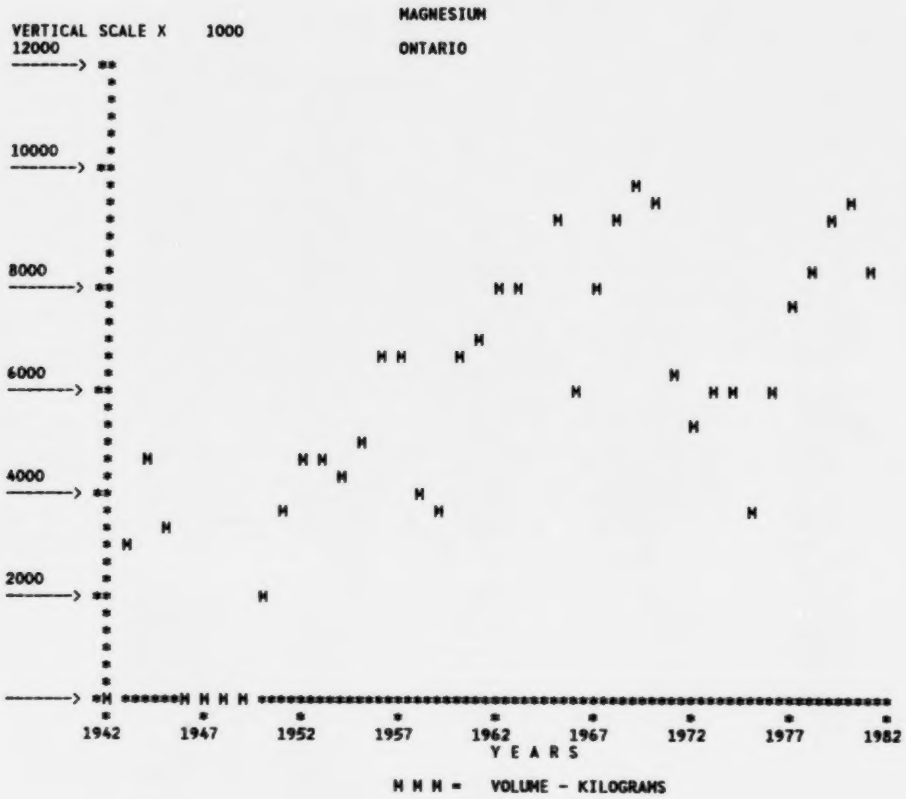
$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF LIME IN ONTARIO

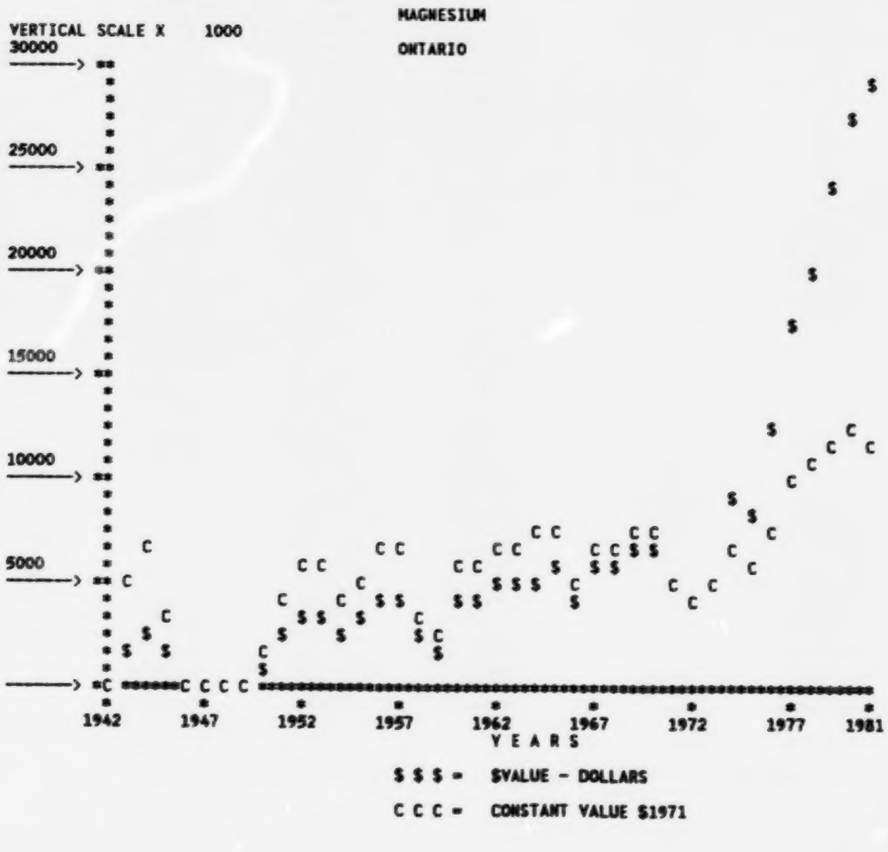
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1895	73150	66360	280000	777777	2177777	32.82
1896	65800	59692	220000	611111	1711111	28.67
1898	91700	83188	308000	855555	2395555	28.80
1899	151987	137880	535000	1486111	4161111	30.18
1900	136255	123608	544000	1511111	4231111	34.23
1901	143500	130181	550000	1527777	4277777	32.86
1902	150500	136531	617000	1713888	4798888	35.15
1903	119000	107954	520000	1444444	4044444	37.46
1904	91000	82553	406800	1130000	3164000	38.33
1905	108500	98429	424700	1179722	3303222	33.56
1906	98000	88904	496785	1379958	3863883	43.46
1907	92750	84141	418700	1163055	3256555	38.70
1908	85482	77547	448596	1246100	3489080	44.99
1909	92173	83617	470858	1307938	3662228	43.80
1910	101123	91737	474531	1318141	3690796	40.23
1911	86442	78418	402340	1117611	3129311	39.91
1912	80413	72949	381672	1060200	2968560	40.69
1913	80535	73060	390600	1085000	3038000	41.58
1914	72633	65891	333407	926130	2593165	39.36
1915	46914	42559	244953	680425	1905190	44.77
1916	50864	46143	265356	737100	2063880	44.73
1917	98717	89554	657364	1826011	5112831	57.09
1918	92760	84150	872177	2422713	6783598	80.61
1919	106451	96570	960948	2669300	7474040	77.40
1920	145811	132277	1402458	3895716	10908006	82.46
1921	96707	87731	962439	2673441	7485636	85.32
1922	137898	125098	1311563	3643230	10201045	81.54
1923	168365	152738	1373823	3816175	10685290	69.96
1924	153687	139422	1401545	3893180	10900905	78.19
1925	179053	162434	1566540	4351500	12184200	75.01
1926	189079	171529	1593468	4365665	12223864	71.26
1927	198383	179970	1657552	4591556	12856359	71.44
1928	228101	206929	1870476	5210239	14588670	70.50
1929	314246	285079	2624285	7209574	20186807	70.81
1930	209340	189910	1673409	4727144	13236003	69.70
1931	113267	102754	841194	2526108	7073102	68.84
1932	143185	129895	1018007	3382083	9469832	72.90
1933	126460	114722	1006905	3401706	9524777	83.02
1934	168760	153096	1287250	4290833	12014333	78.48
1935	198338	179929	1478106	4910651	13749823	76.42
1936	219943	199528	1674851	5385373	15079044	75.57
1937	268304	243401	1874405	5857515	16401043	67.38
1938	242631	220111	1692228	5304789	14853411	67.48
1939	268622	243689	1870035	5899164	16517659	67.78
1940	372633	338046	2752786	8316574	23286407	68.89
1941	431124	391109	3246647	9094249	25463898	65.11
1942	415699	377115	3125574	8379554	23462753	62.22
1943	411921	373688	3115194	8070450	22597262	60.47
1944	429285	389440	3311177	8298689	23236329	59.67
1945	398647	361646	3131676	7675676	21491894	59.43
1946	410171	372100	3316231	7895788	22108207	59.41
1947	490681	445138	3996494	8745063	24486177	55.01
1948	508130	460967	4761520	9281715	25988803	56.38
1949	529986	480795	5569550	10390951	29094664	60.51
1950	571490	518447	6030228	11004065	30811383	59.43
1951	619769	562244	6921916	11328831	31720728	56.42
1952	622279	564522	6921062	10865089	30422250	53.89
1953	659062	597890	7714252	12129327	33962115	56.80
1954	610591	553918	7680739	11889688	33291128	60.10
1955	698245	633437	8420382	12954433	36272414	57.26
1956	673357	610859	8258857	12253497	34309792	56.17
1957	766143	695033	9416868	13687308	38324462	55.14
1958	1009916	916180	12644925	18115938	50724627	55.37
1959	1130055	1025168	14006532	19672095	55081868	53.73
1960	990088	898192	12278630	17030000	47684000	53.09
1961	865130	784832	11548132	15928457	44599682	56.83
1962	910930	826381	10527910	14323687	40106324	48.53
1963	952945	864497	11434223	15286394	42801903	49.51
1964	1049798	952360	13127550	17115450	47923260	50.32
1965	1132193	1027108	13842169	17499581	48998828	47.71
1966	1078350	978262	12232867	14791858	41417204	42.34
1967	974458	884013	11101674	12923951	36187063	40.93
1968	1013712	919624	11771960	13271657	37160640	40.41
1969	1129274	1024460	12433603	13412732	37555651	36.66
1970	1163675	1055668	13810022	14266551	39946345	37.84
1971	1167053	1058732	16885560	16885560	47279568	44.66
1972	1192197	1081542	18475204	17612206	49314177	45.60
1973	1307334	1185993	20626152	18140854	50794393	42.83
1974	1414106	1282855	26304211	20327829	56917922	44.37
1975	1173209	1064318	27063022	18473052	51724547	48.60
1976	1285685	1166354	35255063	21979465	61542504	52.76
1977	1326987	1203823	39971386	23279782	65183390	54.15
1978	1479048	1341770	48493285	26542575	74319210	55.39
1979	1452784	1317944	51920880	25869895	72435707	54.96
1980	* 1855682	* 1683447	74389285	33403361	93529411	55.56
1981	* 2024029	* 1836168	94699716	38448930	107657006	58.63
1982	1612681	1463000	99484000	35530000	99484000	68.00
TOTAL	46740361	42402104		806500070	2258200261	

* 1980 (1981) INCLUDES 588,912 (580,806) TONNES OF LIME PRODUCED FOR CAPTIVE USE.



MAGNESIUM

ONTARIO

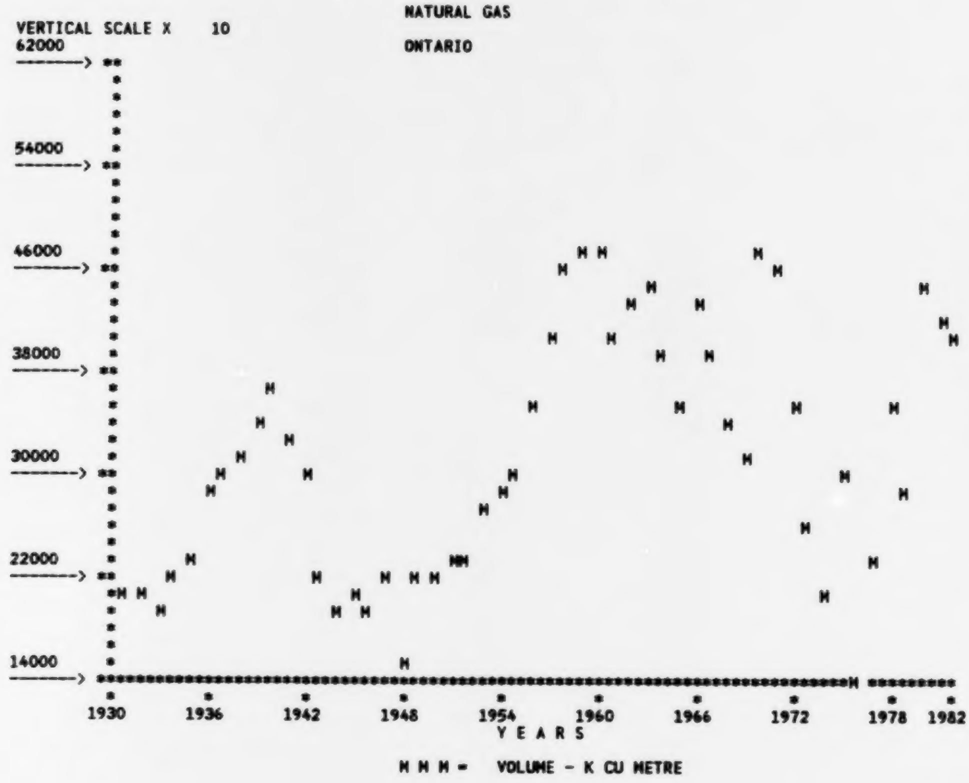


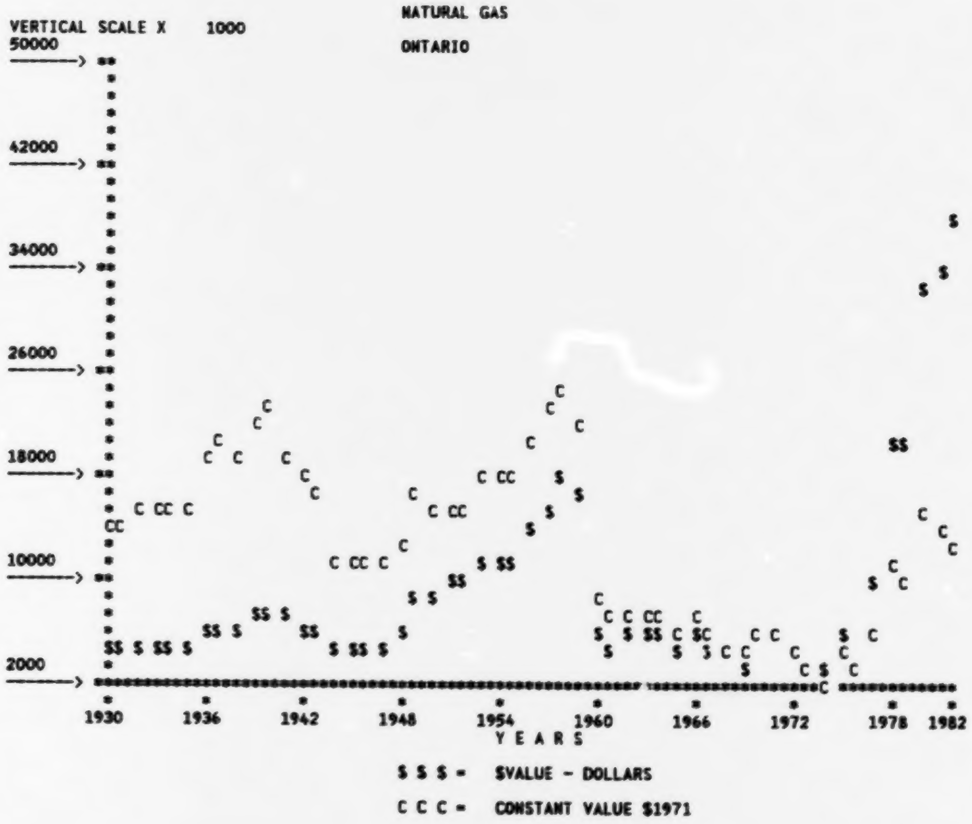
MAGNESIUM

ONTARIO

VOLUME AND VALUE OF PRODUCTION OF MAGNESIUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1942	437910	198632	208520	559034	1565297	7.88
1943	7153974	3244988	2047652	5304798	14853434	4.58
1944	10579778	4798906	2575695	6455375	18075052	3.77
1945	7358545	3337779	1607264	3939372	11030243	3.30
1946	320677	145456	75538	179852	503586	3.46
1947	24709	11207	10843	23726	66434	5.93
1948	0	0	0	0	0	.00
1949	0	0	0	0	0	.00
1950	4693478	2128926	1000177	1825140	5110393	2.40
1951	8054621	3653515	2565329	4198574	11756008	3.22
1952	10555856	4788056	3732430	5859387	16406285	3.43
1953	10098778	4580729	3613331	5681338	15907746	3.47
1954	9633434	4369652	2878470	4455835	12476340	2.86
1955	11367204	5156077	3374923	5192189	14538129	2.82
1956	14639734	6640471	4543202	6740655	18873836	2.84
1957	15184373	6887515	4767043	6928841	19400756	2.82
1958	9087362	4121958	2747755	3936611	11022512	2.67
1959	8144940	3694482	2202392	3093247	8661092	2.34
1960	14577138	6612078	4313987	5983338	16753347	2.53
1961	15270618	6926635	4307570	5941475	16636132	2.40
1962	17631310	7997427	4821823	6560303	18368849	2.30
1963	17810348	8078638	5357816	7162855	20055995	2.48
1964	18706020	8484908	5587909	7285409	20399146	2.40
1965	20216369	9169990	6067057	7670110	21476308	2.34
1966	13445701	6098867	4175743	5049266	14137944	2.32
1967	17774684	8062461	5653243	6581190	18427334	2.29
1968	19856937	9006955	6181992	6969551	19514743	2.17
1969	21274841	9650105	7263849	7835867	21940428	2.27
1970	20707110	9392587	7140807	7376866	20655227	2.20
1971	14467305	6562259	5163921	5163921	14458978	2.20
1972	11847671	5374013	4537125	4325190	12110534	2.25
1973	13769528	6245752	5482588	4821977	13501535	2.16
1974	13132868	5956968	9260172	7156238	20037466	3.36
1975	8434219	3825697	8788248	5998804	16796651	4.39
1976	13430131	6091804	12825301	7995823	22388306	3.68
1977	16827104	7632646	17766569	10347448	28972855	3.80
1978	18323120	8311227	20155430	11031981	30889547	3.72
1979	19874671	9014999	24444031	12179387	34102285	3.78
1980	20397245	9252035	27821844	12492969	34980316	3.78
1981	18845207	8548042	29439456	11952682	33467509	3.92
TOTAL	493955518	224054442		232256624	650318578	

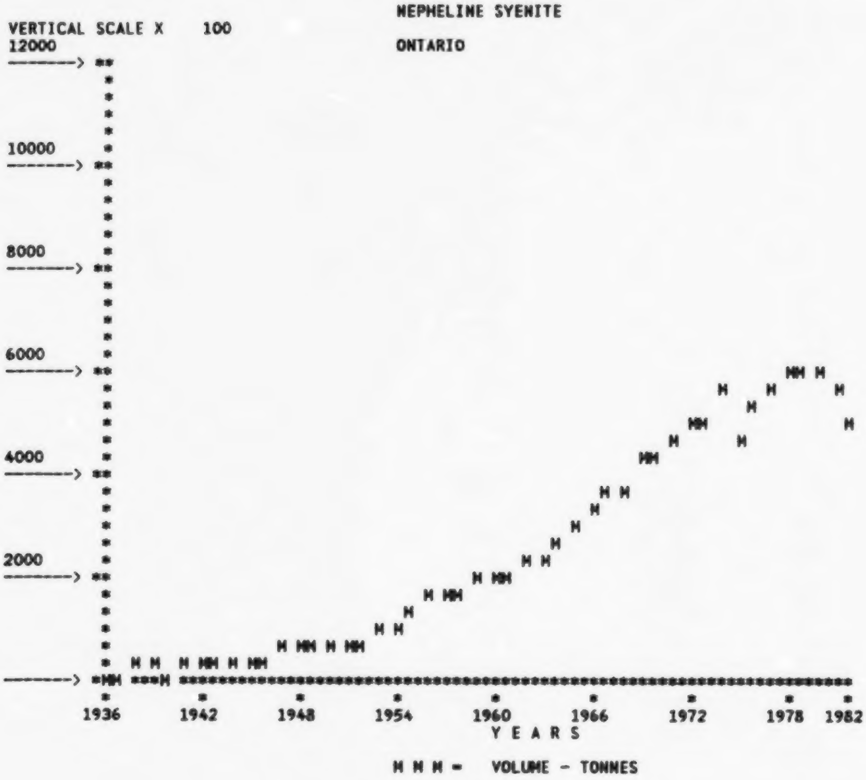

NATURAL GAS
ONTARIO
VERTICAL SCALE X 10
62000
54000
46000
38000
30000
22000
14000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - K CU METRE


NATURAL GAS
ONTARIO
VERTICAL SCALE X 1000
50000
42000
34000
26000
18000
10000
2000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF NATURAL GAS IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	M CU FEET	K CU METRE	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/K CU METRE
1895	3320	94011	282986	786072	2201002	23.41
1896	0	0	276710	768638	2152188	.00
1897	0	0	308448	856800	2399040	.00
1898	0	0	301600	837777	2345777	.00
1899	0	0	440904	1224733	3429253	.00
1900	0	0	392823	1091175	3055290	.00
1901	2239	63410	342183	950508	2661423	41.97
1902	0	0	199238	553438	1549628	.00
1903	0	0	196535	545930	1528605	.00
1904	0	0	253524	704233	1971853	.00
1905	0	0	316476	879100	2461480	.00
1906	2534	71760	533446	1481794	4149024	57.82
1907	4155	117681	746499	2073608	5806103	49.34
1908	4483	126944	988616	2746155	7689235	60.57
1909	5388	152571	1188179	3300497	9241392	60.57
1910	7263	205677	1491239	4142330	11598525	56.39
1911	12529	354794	2186762	6074338	17008149	47.94
1912	12414	351525	2268022	6300061	17640171	50.18
1913	12516	354413	2362021	6561169	18371274	51.84
1914	14063	398219	2346687	6518575	18252010	45.83
1915	15211	430742	2622838	7285661	20399851	47.36
1916	17953	508383	2404499	6679163	18701659	36.79
1917	20026	567073	3220123	8944786	25045401	44.17
1918	13075	370263	2498769	6941025	19434870	52.49
1919	11085	313915	2583324	7175900	20092520	64.01
1920	10518	297864	3163500	8787500	24605000	82.60
1921	8532	241605	2975502	8265283	23142793	95.79
1922	8568	242627	4024767	11179908	31303743	129.02
1923	8128	230171	4066244	11295122	31626342	137.40
1924	7370	208721	4076014	11322261	31702331	151.89
1925	7257	205503	4083341	11342614	31759319	154.54
1926	7776	220205	4415918	12098405	33875535	153.84
1927	7311	207030	4331780	11999390	33598293	162.29
1928	7632	216135	4535312	12633181	35372907	163.66
1929	8583	243048	4968137	13648728	38216438	157.24
1930	7943	224932	5061588	14298271	40035159	177.99
1931	7419	210097	4635497	13920411	38977152	185.52
1932	7386	209152	4719297	15678727	43900438	209.90
1933	7166	202937	4523084	15280689	42785930	210.83
1934	7682	217554	4741368	15804560	44252768	203.41
1935	8157	230987	4894353	16260309	45528866	197.11
1936	10006	283359	6054294	19467183	54508113	192.36
1937	10746	304302	6588798	20589993	57651982	189.46
1938	10952	310148	6460764	20253178	56708900	182.84
1939	11966	338855	7261927	22908287	64143203	189.29
1940	13053	369631	7745867	23401411	65523951	177.27
1941	11828	334951	7115473	19931297	55807631	166.61
1942	10476	296669	6669819	17881552	50068346	168.77
1943	7914	224111	6354045	16461256	46091518	205.66
1944	7082	200554	4694097	11764654	32941031	164.25
1945	7199	203880	4837586	11856828	33199119	162.84
1946	7051	199670	4656528	11086971	31043520	155.47
1947	7785	220472	5334991	11673941	32687034	148.26
1948	5334	151070	6958247	13563834	37978736	251.40
1949	8024	227220	8826634	16467600	46109282	202.93
1950	8009	226803	8890532	16223598	45426075	200.29
1951	8442	239074	9962553	16305324	45654907	190.97
1952	8302	235091	9946024	15613852	43718786	185.97
1953	9835	278509	11694595	18387728	51485638	184.86
1954	10015	283616	11758549	18202088	50965847	179.70
1955	10852	307318	12263732	18867280	52828384	171.90
1956	12811	362784	14220898	21099255	59077915	162.85
1957	14400	407788	15985013	23234030	65055285	159.53
1958	16147	457260	17760000	25444126	71243553	155.81
1959	16839	476834	16335742	22943458	64241683	134.73
1960	16987	481019	6573990	9117877	25530058	53.07
1961	14544	411844	5614048	7743514	21681840	52.65
1962	15648	443110	5802387	7894404	22104331	49.88
1963	15920	450805	6049621	8087728	22645639	50.23
1964	13815	391224	5759876	7509616	21026926	53.75
1965	12619	357354	4856125	6139222	17189823	48.10
1966	15537	439970	5940000	7182587	20111245	45.71
1967	14218	402612	5427000	6317811	17689872	43.94
1968	11974	339076	4598927	5184810	14517469	42.81
1969	11237	318221	4275152	4611814	12913080	40.58
1970	17063	483195	6487852	6702326	18766514	38.84
1971	16259	460423	6333160	6333160	17732848	38.51
1972	12375	350424	4767580	4544880	12725666	36.32
1973	9528	269805	3677847	3234693	9057143	33.57
1974	7537	213424	3248000	2510046	7028129	32.93
1975	10935	309645	6508000	4442320	12438498	40.17
1976	4958	140423	4860000	3029925	8483790	60.42
1977	8529	241523	10267000	5979615	16742923	69.32
1978	12574	356074	21376864	11700527	32761477	92.01
1979	10311	292000	21420000	10672645	29883408	102.34
1980	15723	445232	33481424	15034317	42096088	94.55
1981	14806	419271	34556335	14030180	39284506	93.70
1982	14373	407000	38195000	13641071	38195000	93.85
TOTAL	832215	23566731		896185910	2509320617	

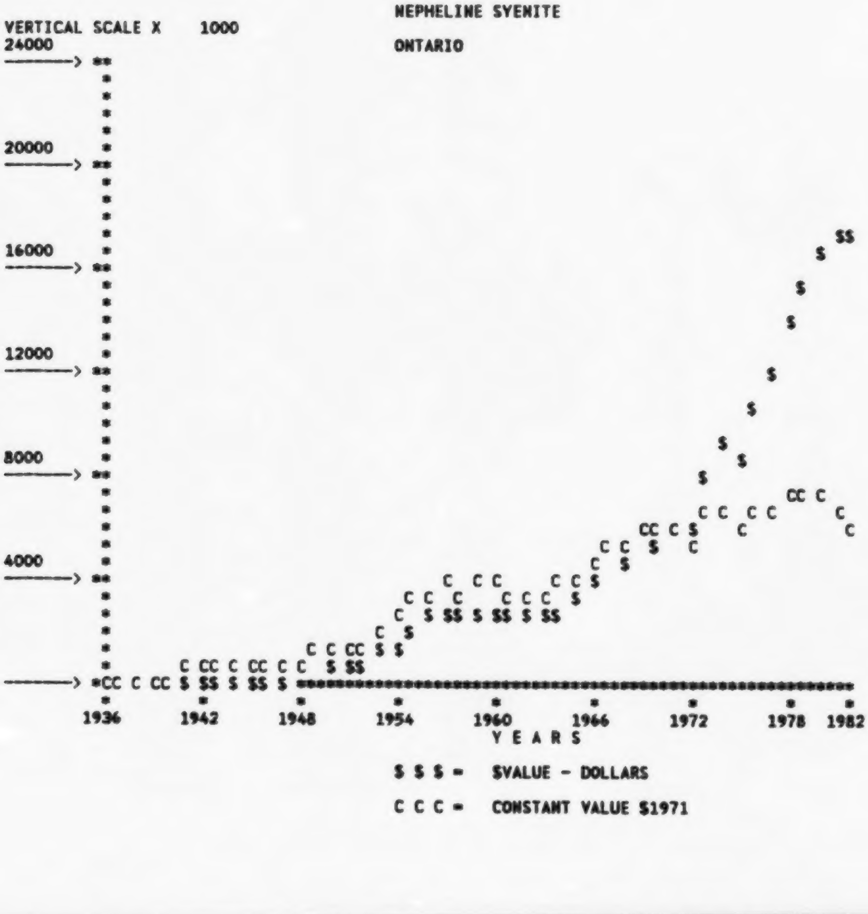
NOTE: A DIFFERENT METHOD OF EVALUATING NATURAL GAS WAS ADOPTED IN 1960.
THE VALUE IS NOW ASSESSED AT THE WELLHEAD INSTEAD OF AT THE RETAIL LEVEL.



NEPHELINE SYENITE

ONTARIO

M M M = VOLUME - TONNES



NEPHELINE SYENITE

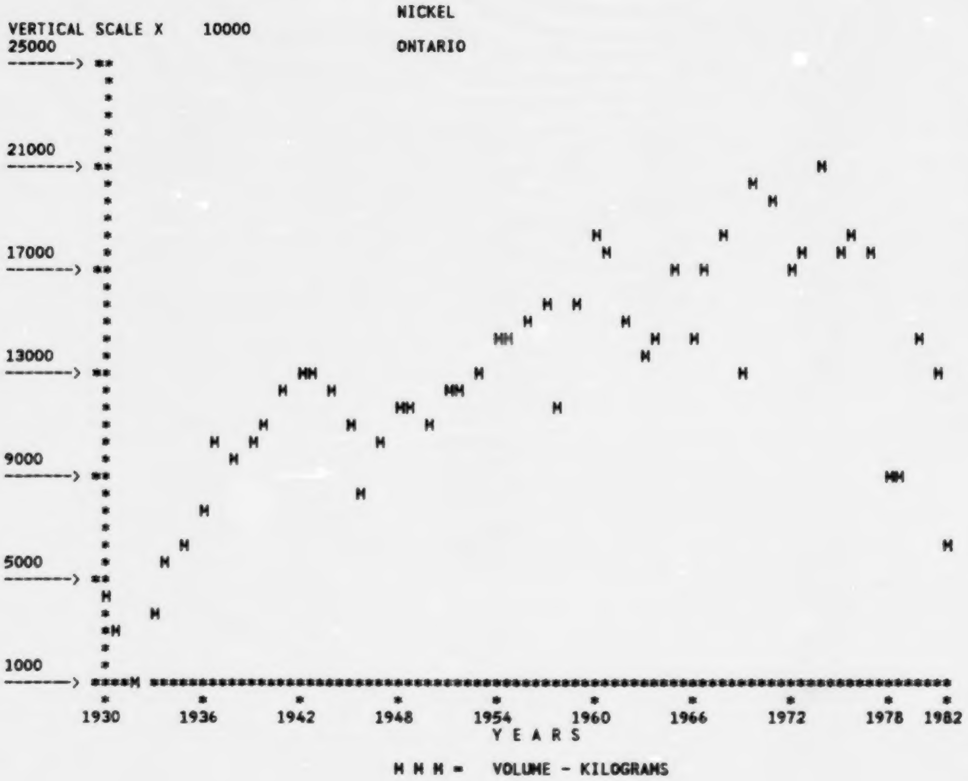
ONTARIO

$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF NEPHELINE SYENITE IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1936	3988	3617	37426	120340	336954	93.16
1937	15422	13990	121481	379628	1062958	75.98
1938	31208	28311	142737	447451	1252863	44.25
1939	30766	27910	140148	442107	1237900	44.35
1940	20510	18606	117849	356039	996909	53.58
1941	39657	35976	227583	637487	1784964	49.62
1942	42206	38288	246893	661911	1853352	48.41
1943	49901	45269	292010	756502	2118207	46.79
1944	47625	43204	217989	546338	1529747	35.41
1945	61345	55651	275766	675897	1892511	34.01
1946	61261	55575	229198	545709	1527986	27.49
1947	66995	60776	341635	747560	2093168	34.44
1948	74386	67481	506462	987255	2764315	40.96
1949	78783	71470	623002	1162317	3254488	45.54
1950	65638	59545	842886	1538113	4306716	72.33
1951	81108	73579	1114943	1824783	5109395	69.44
1952	82681	75006	1111950	1745604	4887692	65.16
1953	113345	102824	1576271	2478413	6939557	67.49
1954	123669	112190	1770528	2740755	7674115	68.40
1955	146068	132510	2099512	3230018	9044051	68.25
1956	180006	163298	2574140	3819198	10693756	65.49
1957	200016	181451	2754060	4002994	11208383	61.77
1958	201306	182621	2613446	3744191	10483737	57.41
1959	228722	207493	2930932	4116477	11526137	55.55
1960	240636	218301	2891095	4009840	11227553	51.43
1961	240320	218014	2572169	3547819	9933894	45.57
1962	254418	230804	2605421	3544790	9925413	43.00
1963	254000	230424	2699202	3608558	10103964	43.85
1964	290300	263355	3097172	4038033	11306495	42.93
1965	339932	308426	3415387	4317809	12089865	39.20
1966	366696	332661	4109744	4969460	13914490	41.83
1967	401601	364326	4752875	5533032	15492491	42.52
1968	426595	387000	4738008	5341609	14956507	38.65
1969	500571	454110	5935239	6402631	17927367	39.48
1970	486667	441496	5801228	5993004	16780411	38.01
1971	517190	469186	6206014	6206014	17376839	37.04
1972	559483	507554	5902063	5626370	15753838	31.04
1973	569403	516553	7860300	6913192	19356939	37.47
1974	617279	559986	9179453	7093858	19862804	35.47
1975	516352	468427	8869497	6054264	16951939	36.19
1976	595381	540121	10566411	6587538	18445106	34.15
1977	633341	574558	11983799	6979498	19542596	34.01
1978	660417	599121	14181840	7762364	21734620	36.28
1979	667668	605699	15180042	7563548	21177936	34.96
1980	661054	599699	16544153	7428896	20800911	34.69
1981	647680	587565	17531692	7118023	19930466	33.92
1982	570997	518000	17338000	6192142	17338000	33.47
TOTAL	13064643	11852027		170539379	477510305	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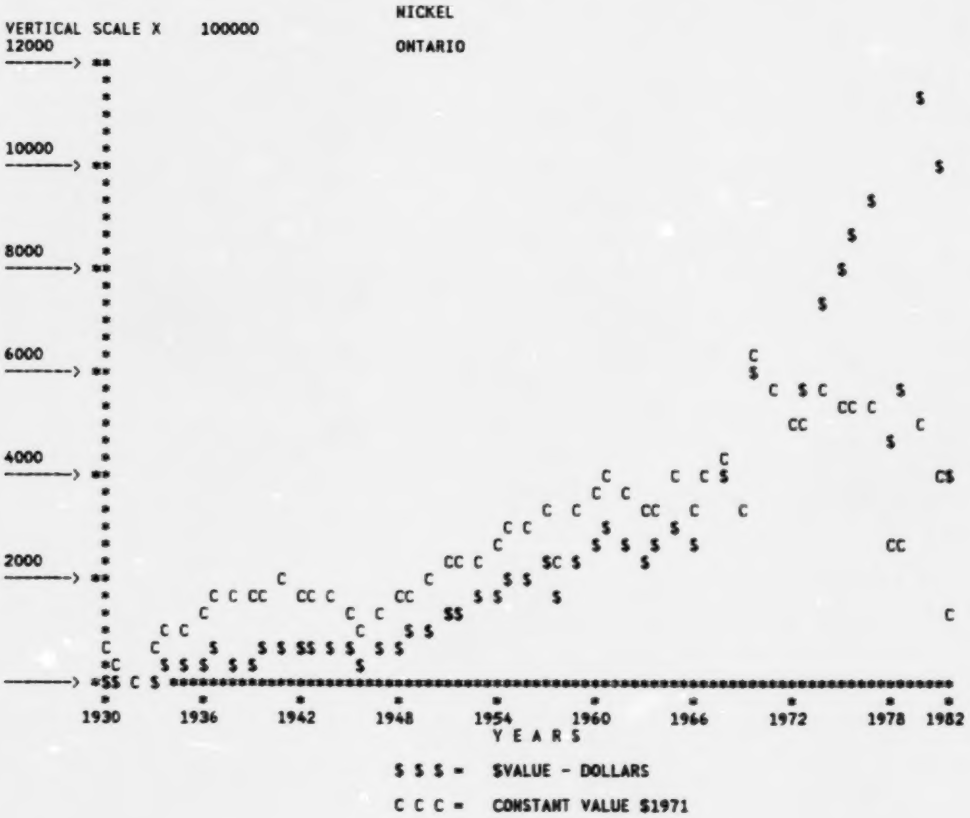
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - KILOGRAMS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ONTARIO
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2000
1930
1936
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1948
1954
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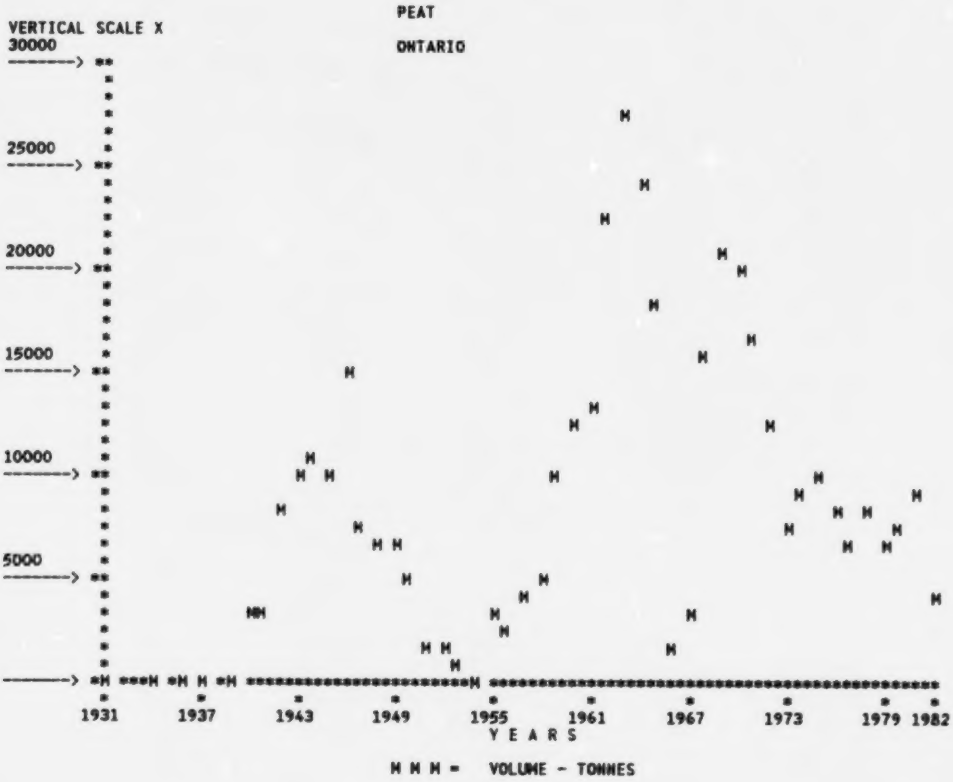
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF NICKEL IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1895	4631500	2100813	404861	1124613	3148918	1.50
1896	3897000	1767649	357000	991666	2776666	1.57
1897	3998000	1813462	391651	1087919	3046174	1.68
1898	5567500	2525375	514220	1428388	3999488	1.58
1899	5744000	2605434	526104	1461400	4091920	1.57
1900	7080000	3211434	756626	2101738	5884868	1.83
1901	8882000	4028807	1410470	3917972	10970322	2.72
1902	11890000	5393213	2210961	6141558	17196363	3.19
1903	13996000	6348478	2499068	6941855	19437195	3.06
1904	9485679	4302631	1516747	4213186	11796921	2.74
1905	19085885	8657211	3363964	9344344	26164164	3.02
1906	21572000	9784894	3839419	10665052	29862147	3.05
1907	21269557	9647708	2271667	6310186	17668521	1.83
1908	19126000	8675407	1866059	5183497	14513792	1.67
1909	26282118	11921368	2790812	7752255	21706315	1.82
1910	37272000	16906294	4005961	11127669	31157474	1.84
1911	34098000	15466592	3664474	10179094	28501464	1.84
1912	44990151	20407189	4736460	13156833	36839133	1.81
1913	49909503	22638569	5250927	14585908	40840543	1.80
1914	45823752	20785304	5136804	14268900	39952920	1.92
1915	68235225	30950977	17042230	47339528	132550678	4.28
1916	82749154	37534385	20686045	57461236	160891462	4.29
1917	83787286	38005273	21042159	58450442	163661236	4.31
1918	92044542	41750702	27840022	77333395	216533504	5.19
1919	43328798	19653612	11925220	33125611	92751711	4.72
1920	57562614	26109962	15689131	43580919	122026575	4.67
1921	16531424	7498527	4050602	11251672	31504682	4.20
1922	30416345	13796622	7038202	19550561	54741571	3.97
1923	53544580	24287413	9563430	26565083	74382233	3.06
1924	61157090	27740389	11309326	31414794	87961425	3.17
1925	73857114	33501023	15946673	44296314	124029679	3.70
1926	65714294	29807502	14374163	39381268	110267553	3.70
1927	66798717	30299388	15262171	42277482	118376949	3.91
1928	99616979	45185501	22318907	62169657	174075040	3.85
1929	113794179	51616171	27115461	74493024	208580468	4.04
1930	105234598	47733611	24454911	69081669	193428674	4.05
1931	65666320	29785741	15267453	45848206	128374980	4.31
1932	30327968	13756534	7179862	23853362	66789415	4.86
1933	83264658	37768213	20130480	68038379	190423462	5.04
1934	128687340	58371595	32139425	107131417	299967968	5.14
1935	138562940	62851092	35349773	117441107	328835104	5.23
1936	169739297	76992451	43878565	141088634	395048172	5.13
1937	224791404	101963666	59469674	185842732	520359648	5.10
1938	210565589	95510945	53916279	169016548	473246336	4.95
1939	226110293	102561904	50922521	160638868	449788828	4.39
1940	245563497	111385729	59804359	180677822	505897904	4.54
1941	282280122	128040111	68644405	192281248	538387488	4.20
1942	285312432	129415543	70001165	187670682	525477912	4.06
1943	288078241	130670092	71670432	185674696	519889148	3.98
1944	274656574	124582128	69214036	173468762	485712532	3.90
1945	245146145	111196422	61982659	151918282	425371188	3.83
1946	192132195	87149698	45386533	108063174	302576892	3.47
1947	237256892	107617916	70780556	154880868	433666428	4.03
1948	263257078	119411402	87409043	170387998	477086392	4.00
1949	257379216	116745249	99351785	185357808	519001860	4.45
1950	247317867	112181498	112292202	204912776	573755776	5.11
1951	275806272	125103621	151217865	247492416	692978760	5.54
1952	281117072	127512559	151666687	238095272	666666760	5.23
1953	287385777	130355996	160491126	252344538	706564704	5.42
1954	316019050	143343832	176556296	273306960	765259488	5.34
1955	322322355	146202962	198489258	305368088	855030648	5.85
1956	335152371	152022560	208099454	308752900	864508128	5.69
1957	354792843	160931328	243518138	353950780	991062184	6.16
1958	254286784	115342545	177168918	253823664	710706264	6.16
1959	347929183	157818024	240053265	337153464	944029712	5.98
1960	403300283	182933932	277924234	385470508	1079317424	5.90
1961	392435773	178005872	295423149	407480204	1140944560	6.41
1962	333163344	151120352	274219955	373088376	1044647456	6.91
1963	298178570	135251526	246252488	329214552	921800744	6.82
1964	324187190	147048838	267764039	349105660	977495848	6.65
1965	382566712	173529342	316332366	399914496	1119760592	6.45
1966	320428750	145344038	269461584	325830212	912324592	6.28
1967	380117521	172418408	352238885	410056908	1148159344	6.66
1968	407493447	184835920	405168184	456784876	1278997664	6.92
1969	293561275	133157155	329076314	354990636	993973776	7.46
1970	448509011	203440266	608428298	628541632	1759916576	8.65
1971	431506689	195728142	583946348	583946352	1635049792	8.35
1972	378855007	171845742	519935356	495648580	1387816032	8.08
1973	393293298	178394840	574786081	505528652	1415480224	7.93
1974	460879205	209051290	749782101	579429760	1622403328	7.76
1975	394836613	179094876	811328713	553808000	1550662384	8.66
1976	413225389	187435884	882305042	550065488	1540183360	8.22
1977	396820713	179994648	927518355	540197056	1512551776	8.40
1978	206082361	93477387	473685130	259269364	725954224	7.77
1979	194987370	88444784	566279308	282152124	790025944	8.93
1980	321009504	145607461	1154868925	518576080	1452013024	9.97
1981	287192903	130268510	1001217989	406503448	1138209648	8.74
1982	139034526	63065000	412930000	147475000	412930000	6.55
TOTAL	16402027813	7439834682		16204985915	45373960618	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25000
20000
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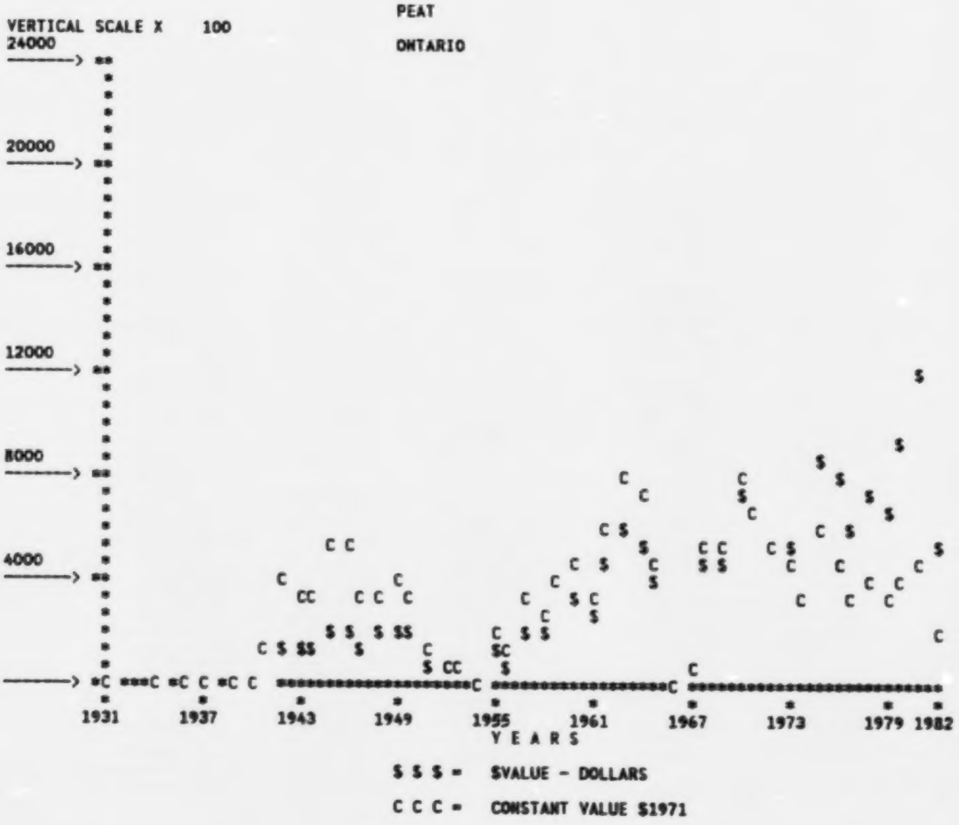
1937
1943
1949
1955
1961
1967
1973
1979
1982
YEARS
M M M = VOLUME - TONNES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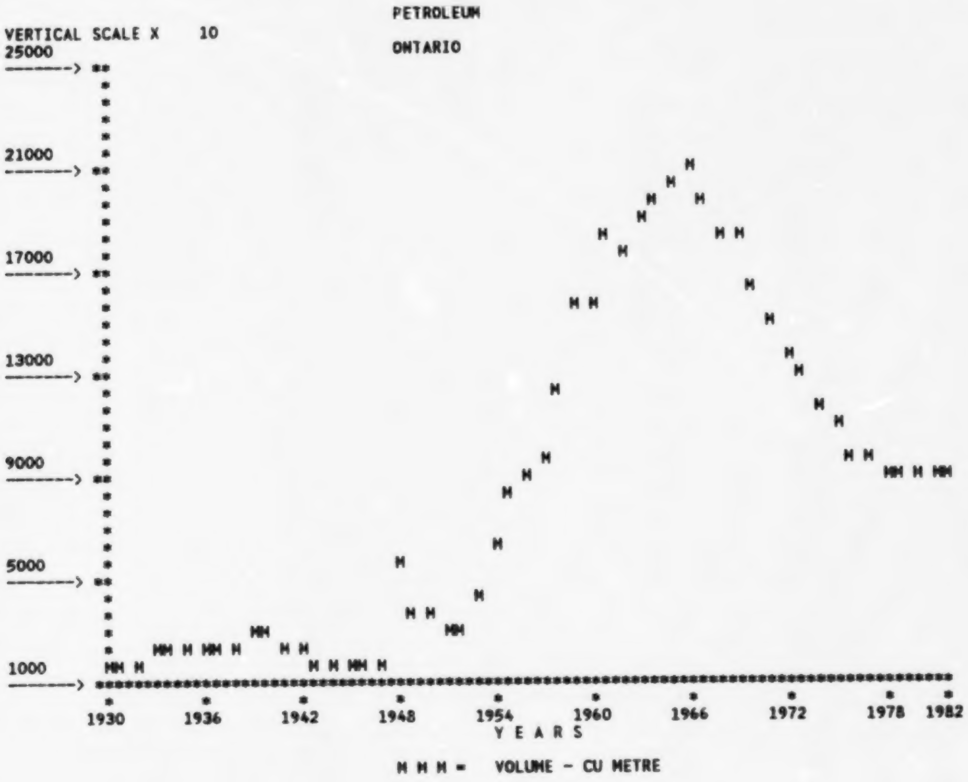
4000
1931
1937
1943
1949
1955
1961
1967
1973
1979
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF PEAT IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1928	297	269	445	1239	3470	12.90
1931	176	159	439	1318	3691	23.21
1934	224	203	224	746	2090	10.30
1936	8	7	50	160	450	64.29
1937	500	453	2500	7812	21875	48.29
1939	50	45	250	788	2208	49.07
1940	4111	3729	3395	10256	28719	7.70
1941	4315	3914	42708	119630	334964	85.58
1942	9599	8708	147729	396056	1108957	127.35
1943	11120	10087	136595	353873	990844	98.23
1944	12491	11331	144820	362957	1016280	89.69
1945	11667	10584	224100	549264	1537941	145.31
1946	17175	15580	228496	544038	1523306	97.77
1947	8250	7484	170442	372958	1044283	139.54
1948	7261	6587	189447	369292	1034018	156.98
1949	7381	6695	210008	391805	1097056	163.86
1950	5613	5092	206625	377052	1055748	207.33
1951	1804	1636	72557	118751	332503	203.24
1952	1939	1759	69013	108340	303353	172.46
1953	1314	1192	52535	82602	231286	194.03
1954	640	580	19809	30664	85859	148.03
1955	4284	3886	123862	190556	533559	137.30
1956	3267	2963	97091	144051	403345	136.13
1957	4720	4281	220232	320104	896293	209.37
1958	6123	5554	216055	309534	866696	156.05
1959	10925	9910	295390	414873	1161646	117.22
1960	13566	12306	338614	469644	1315005	106.86
1961	15113	13710	251352	346692	970738	70.81
1962	24801	22499	455826	620171	1736480	77.18
1963	30659	27813	610784	816556	2286357	82.20
1964	27065	24552	573538	747767	2093750	85.28
1965	20115	18248	389615	492560	1379168	75.58
1966	1700	1542	30000	36275	101571	65.87
1967	3746	3398	55160	64214	179799	52.91
1968	17881	16221	483626	545237	1526666	94.12
1969	22786	20671	487087	525444	1471244	71.17
1970	22229	20165	773570	799142	2237599	110.96
1971	18990	17227	652547	652547	1827131	106.06
1972	13560	12301	570713	544054	1523352	123.84
1973	8894	8068	547814	481806	1349058	167.21
1974	9939	9016	481883	372397	1042714	115.65
1975	11423	10363	874611	597004	1671611	161.31
1976	9611	8719	785183	489515	1370643	157.20
1977	7385	6700	607736	353952	991066	147.92
1978	9172	8321	781592	427800	1197842	143.95
1979	7754	7035	675547	336595	942467	133.97
1980	8510	7721	938881	421590	1180452	152.89
1981	10147	9205	1201993	488019	1366455	148.45
1982	4409	4000	525000	187500	525000	131.25
TOTAL	454709	412489		16395200	45906608	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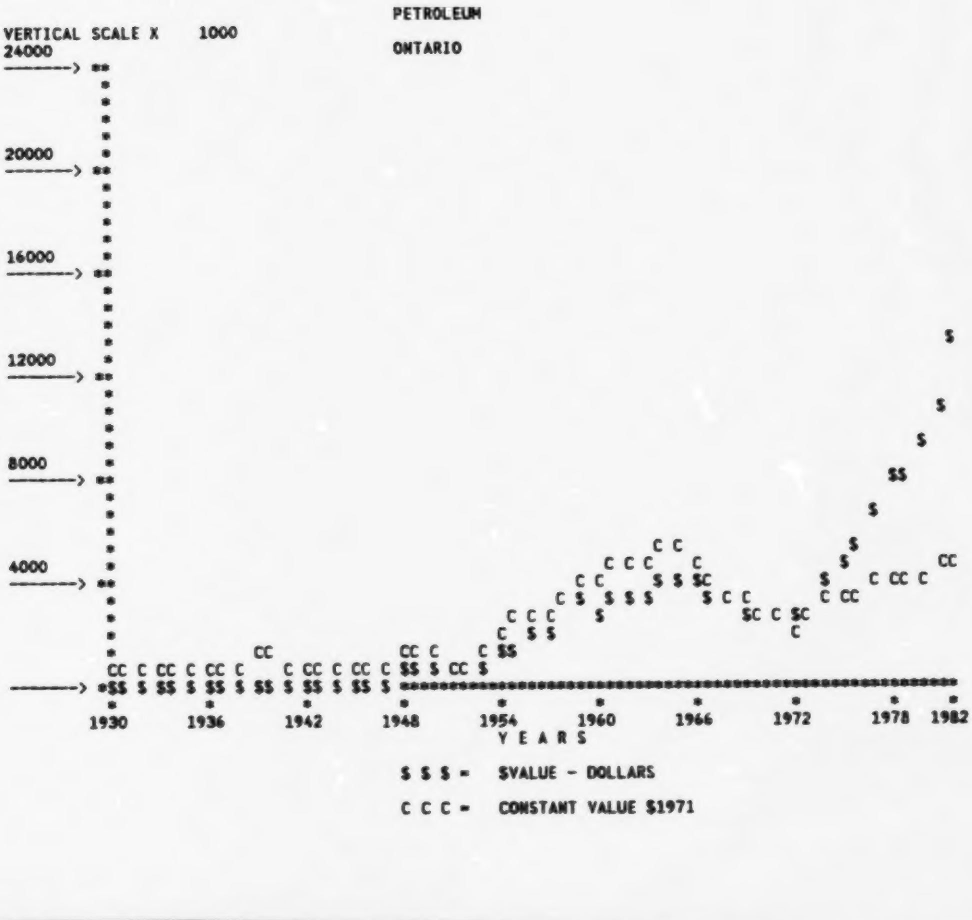
1972
1978
1982
Y E A R S
M M M = VOLUME - CU METRE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16000
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8000
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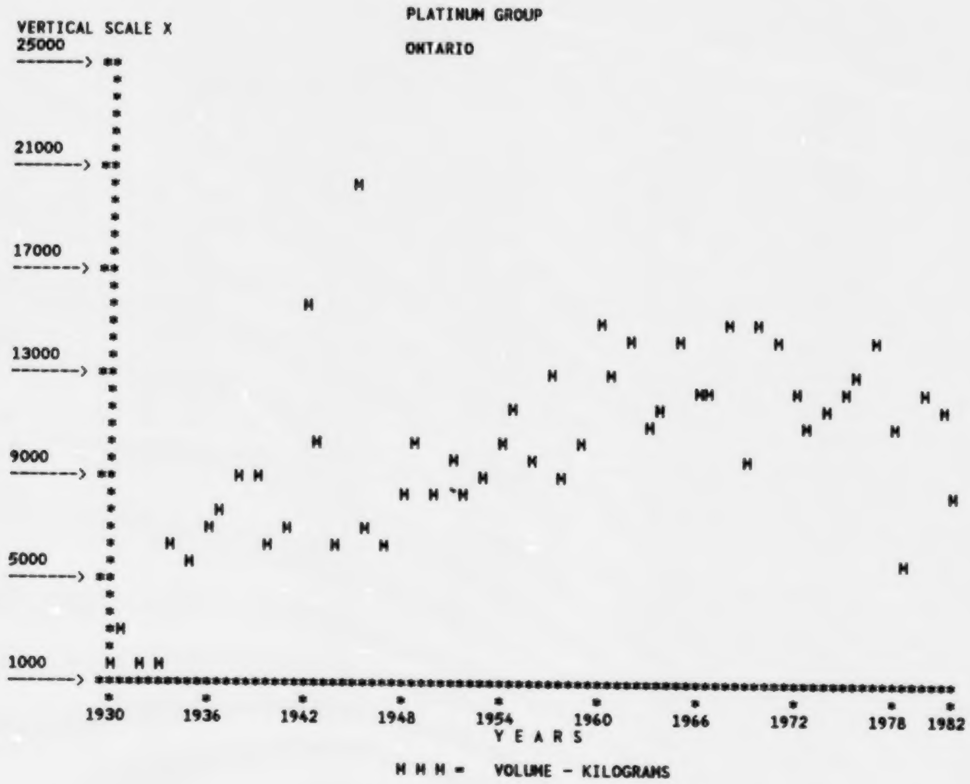
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF PETROLEUM IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	BARRELS	CU METRE	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/CU METRE
1895	952914	151501	1403960	3899888	10919688	72.08
1896	782303	124376	1155647	3210130	8988365	72.27
1897	730188	116090	1011546	2809850	7867580	67.77
1898	770828	122551	1061747	2949297	8258032	67.38
1899	674742	107275	1202020	3338944	9349044	87.15
1900	668051	106211	1151007	3197241	8952276	84.29
1901	612386	97361	1008275	2800763	7842138	80.55
1902	519588	82607	951190	2642194	7398144	89.56
1903	475438	75588	1048874	2913538	8157908	107.93
1904	492492	78299	904437	2512325	7034510	89.84
1905	632333	100532	898545	2495958	6988683	69.52
1906	563666	89615	761546	2115405	5923135	66.10
1907	789196	125472	1049631	2915641	8163796	65.06
1908	527987	83943	703773	1954925	5473790	65.21
1909	420660	66879	559478	1554105	4351495	65.07
1910	314410	49987	368153	1022647	2863412	57.28
1911	288631	45888	353573	982147	2750012	59.93
1912	240935	38305	344537	957047	2679732	69.96
1913	226165	35957	398051	1105697	3095952	86.10
1914	212496	33784	337867	938519	2627854	77.78
1915	214442	34093	300219	833941	2335036	68.49
1916	196877	31300	387846	1077350	3016580	96.38
1917	202991	32272	475000	1319444	3694444	114.48
1918	316176	50267	781097	2169713	6075198	120.86
1919	220100	34993	632789	1757747	4921692	140.65
1920	181750	28895	724145	2011513	5632238	194.92
1921	172859	27482	559198	1553327	4349317	158.26
1922	164732	26190	466587	1296075	3629010	138.56
1923	159400	25342	478149	1328191	3718936	146.75
1924	154317	24534	390424	1084511	3036631	123.77
1925	144250	22933	396154	1100427	3081197	134.36
1926	136971	21776	376822	1032389	2890689	132.75
1927	139606	22195	289391	801637	2244583	101.13
1928	134164	21330	249981	696325	1949712	91.41
1929	121125	19257	253678	696917	1951369	101.33
1930	117302	18649	235746	665949	1864657	99.99
1931	122364	19454	219993	660639	1849790	95.09
1932	130343	20722	247468	822152	2302027	111.09
1933	136058	21631	253486	856371	2397840	110.85
1934	141385	22478	299874	999580	2798824	124.51
1935	165040	26239	346156	1150019	3220055	122.72
1936	165494	26311	348767	1121437	3140024	119.34
1937	165205	26265	356358	1113618	3118132	118.72
1938	172642	27447	359268	1126231	3153449	114.89
1939	206379	32811	401429	1266337	3545745	108.07
1940	187644	29833	397078	1199631	3358968	112.59
1941	159438	25348	337760	946106	2649098	104.51
1942	143845	22869	306242	821024	2298867	100.52
1943	132492	21064	311356	806621	2258540	107.22
1944	125067	19884	296420	742907	2080140	104.61
1945	113325	18017	268478	658034	1842496	102.26
1946	123082	19568	291719	694569	1944793	99.39
1947	131295	20874	349895	765634	2143776	102.70
1948	349895	55628	608109	1185397	3319113	59.67
1949	260670	41443	901143	1681236	4707463	113.59
1950	250656	39851	892335	1628348	4559375	114.41
1951	197171	31347	677905	1109500	3106602	99.10
1952	191814	30495	641400	1006907	2819340	92.45
1953	299685	47646	1005535	1581029	4426883	92.91
1954	412474	65578	1390000	2151702	6024767	91.87
1955	525509	83549	1715630	2639430	7390406	88.46
1956	593370	94338	1958121	2905224	8134627	86.23
1957	623666	99154	2160000	3139534	8790697	88.66
1958	778341	123746	2623000	3757879	10522063	85.03
1959	1001580	159238	3194000	4485955	12560674	78.88
1960	1005030	159787	3150065	4369022	12233262	76.56
1961	1149087	182690	3546740	4892055	13697754	74.98
1962	1134534	180376	3661174	4981189	13947329	77.32
1963	1205376	191639	3459429	4624905	12949734	67.57
1964	1246682	198206	4014316	5233788	14654608	73.94
1965	1279321	203395	4093318	5174864	14489621	71.24
1966	1323781	210464	4236099	5122247	14342294	68.15
1967	1240298	197191	3524123	4102587	11487246	58.25
1968	1150779	182959	3166826	3570266	9996745	54.64
1969	1161889	184725	3117031	3362493	9414980	50.97
1970	1048168	166645	2839904	2933785	8214598	49.29
1971	958104	152326	2726771	2726771	7634958	50.12
1972	877965	139585	2498688	2381971	6669520	47.78
1973	808649	128564	2865853	2520539	7057509	54.89
1974	734000	116696	4342000	3355486	9395363	80.51
1975	703999	111927	5046000	3444368	9644232	86.17
1976	620999	98731	5216000	3251870	9105236	92.22
1977	616697	98047	6627000	3859638	10806989	110.22
1978	593865	94417	8165685	4469449	12514459	132.54
1979	578662	92000	8259000	4115097	11522272	125.24
1980	590500	93882	9787181	4394782	12305391	131.07
1981	565976	89983	11111980	4511563	12632376	140.39
1982	559808	89000	13764000	4915714	13764000	154.65
TOTAL	47542712	7558642		216368508	605831906	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9000
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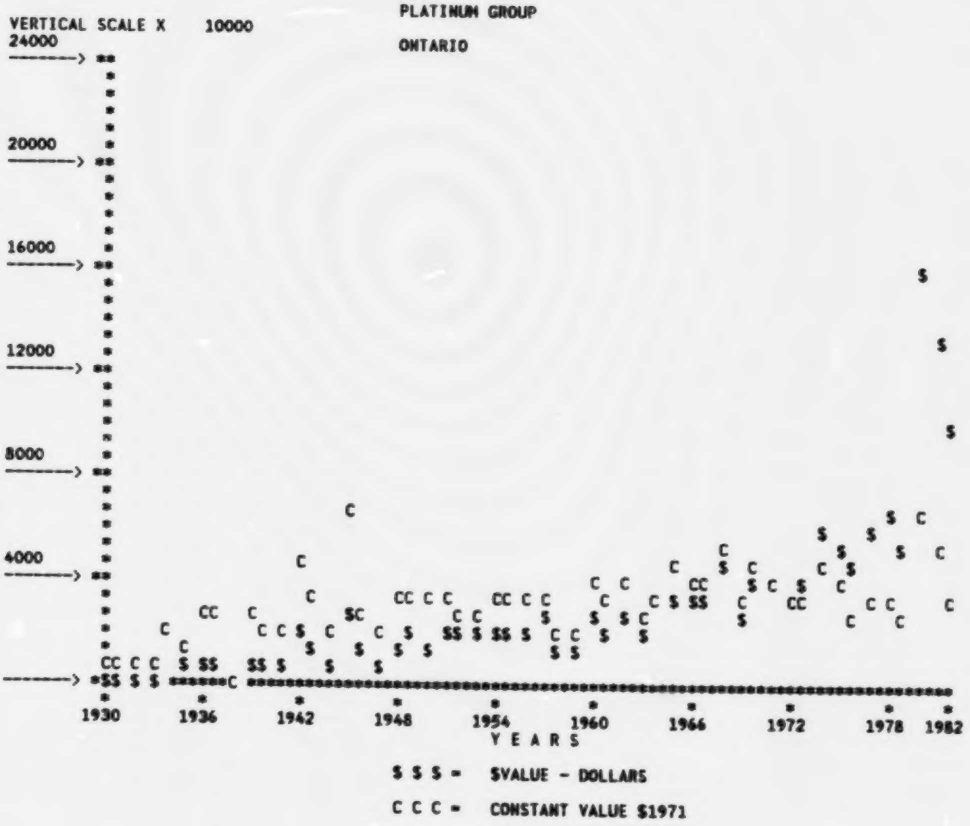
1972
1978
1982
Y E A R S
M M M = VOLUME - KILOGRAMS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ONTARIO
VERTICAL SCALE X 10000
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1930
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1942
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1966
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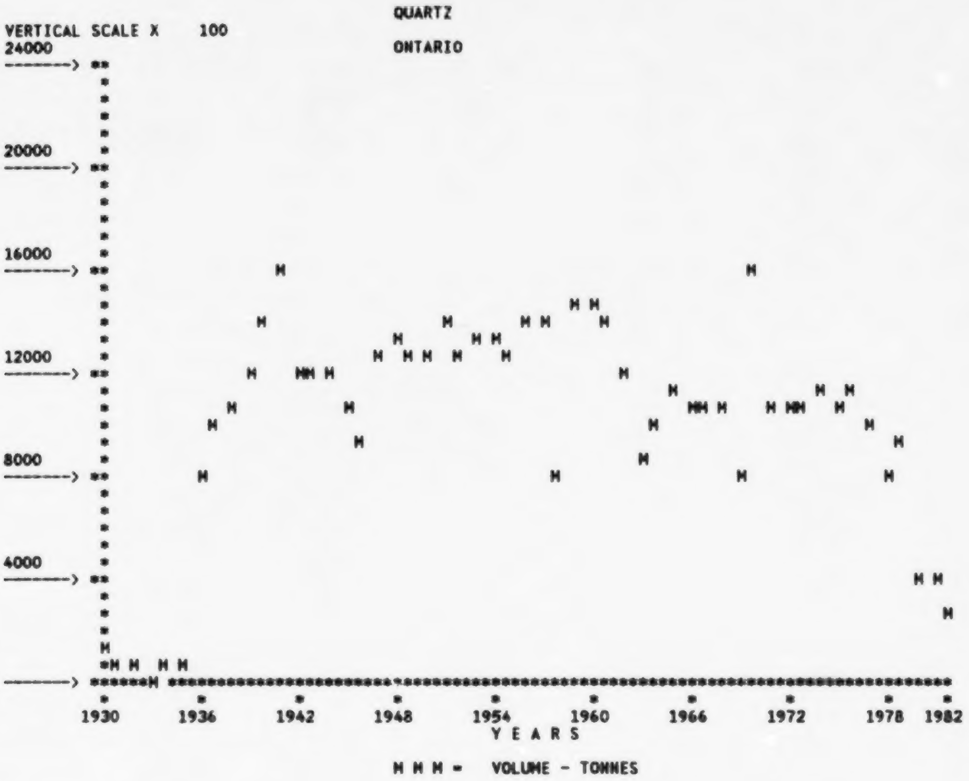
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF PLATINUM GROUP IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	TROY OUNCES	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1902	6786	211	132326	367572	1029202	4877.73
1903	4887	152	95307	264741	741276	4876.82
1904	1488	46	29016	80600	225680	4906.09
1905	1562	48	28116	78100	218680	4555.83
1906	314	9	5652	15700	43960	4884.44
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	0	0	0	0	0	.00
1910	0	0	0	0	0	.00
1911	0	0	0	0	0	.00
1912	6582	204	227971	633252	1773107	8691.70
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	0	0	0	0	0	.00
1917	0	0	0	0	0	.00
1918	0	0	0	0	0	.00
1919	1770	55	200000	555555	1555555	28282.82
1920	19066	593	1996535	5545930	15528605	26186.52
1921	13418	417	862034	2394538	6704708	16078.44
1922	11788	366	924712	2568644	7192204	19650.83
1923	15625	485	1418633	3940647	11033812	22750.13
1924	18697	581	1891497	5254158	14711643	25321.24
1925	16980	528	1676446	4656794	13039024	24695.12
1926	19495	606	1559527	4272676	11963494	19741.74
1927	22762	707	1270843	3520340	9856954	13941.94
1928	23539	732	1309923	3648810	10216669	13957.20
1929	29615	921	1646381	4523024	12664469	13750.78
1930	68022	2115	2436683	6883285	19273198	9112.62
1931	91643	2850	2812834	8446948	23651457	8298.76
1932	64897	2018	1998911	6640900	18594521	9214.33
1933	55715	1732	1501233	5071733	14200852	8199.11
1934	200110	6224	6187992	20626640	57754592	9279.34
1935	190107	5912	5407392	17964757	50301321	8508.34
1936	235222	7316	7802997	25090022	70252063	9602.52
1937	259184	8061	9931556	31036112	86901115	10780.44
1938	292203	9088	887362	2781699	7788757	857.04
1939	284279	8842	9421334	29720296	83216830	9411.54
1940	199985	6220	7760157	23444583	65644833	10553.83
1941	221689	6895	8144164	22812784	63875796	9264.07
1942	507761	15793	19176254	51410868	143950432	9114.83
1943	345710	10752	13691748	35470850	99318380	9237.20
1944	200452	6234	8024719	20112077	56313817	9033.34
1945	666908	20743	26688646	65413348	183157374	8829.84
1946	239337	7444	12838214	30567176	85588094	11497.59
1947	204902	6373	9970087	21816383	61085872	9585.10
1948	269505	8382	16896808	32937247	92224293	11002.66
1949	335916	10448	19885049	37098972	103877121	9942.30
1950	273183	8496	17822766	32523295	91065227	10718.60
1951	318366	9902	22490536	36809388	103066286	10408.63
1952	279722	8700	18475723	29004274	81211969	9334.71
1953	303563	9441	20046390	31519481	88254547	9348.01
1954	343706	10690	20906556	32363089	90616651	8476.77
1955	384746	11966	23069365	35491330	99375726	8304.84
1956	314818	9791	22407090	33244940	93085835	9507.29
1957	416147	12943	25731333	37400193	104720541	8090.90
1958	300458	9345	14321443	20517826	57449914	6147.66
1959	328091	10204	16932178	23781149	66587217	6525.60
1960	483585	15041	28871955	40044320	112124097	7454.56
1961	418278	13009	24534349	33840481	94753348	7283.68
1962	470782	14642	28848262	39249336	109898141	7505.68
1963	357649	11124	22585055	30193923	84542986	7600.05
1964	376238	11702	25404117	33121404	92739932	7925.14
1965	463127	14404	36109799	45650820	127822297	8874.08
1966	395952	12315	32363556	39133683	109574314	8897.63
1967	399898	12438	34580361	40256532	112718289	9062.41
1968	484849	15080	46124003	52000003	145600010	9655.17
1969	308465	9594	30729815	33149746	92819291	9674.72
1970	482428	15005	43556597	44996484	125990157	8396.54
1971	475169	14779	39821616	39821616	111500525	7544.52
1972	402423	12516	34330972	32727333	91636532	7321.55
1973	352909	10976	41844285	36802361	103046611	9388.36
1974	384618	11962	60794030	46981476	131548133	10997.17
1975	399219	12417	56493077	38561827	107973116	8695.59
1976	416821	12964	50143112	31261291	87531617	6751.90
1977	465372	14474	61988406	36102740	101087674	6984.09
1978	350052	10887	65761434	35994216	100783806	9257.26
1979	197943	6156	56333561	28068540	78591914	12766.72
1980	410757	12776	158923378	71362092	199813858	15639.78
1981	382754	11905	136239362	55314398	154880314	13009.69
1982	276174	8590	98889000	35317500	98889000	11512.11
TOTAL	17566183	546337		1770274848	4956769635	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ONTARIO
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24000
20000
16000
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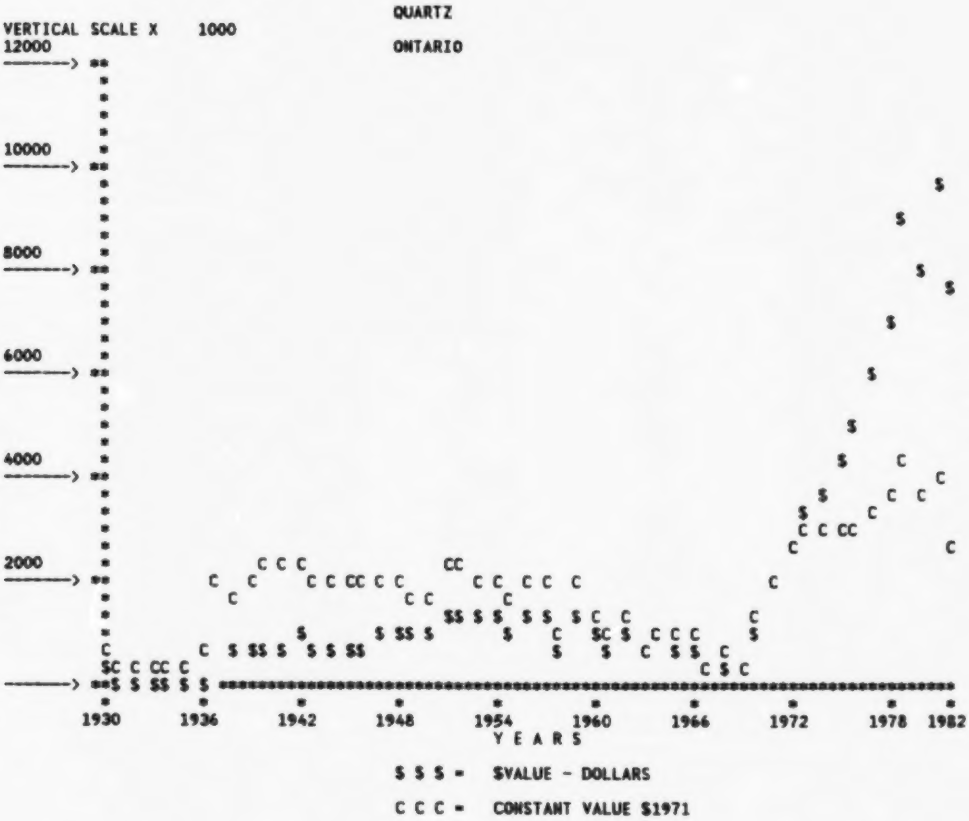
Y E A R S
M M M = VOLUME - TONNES


QUARTZ
ONTARIO
VERTICAL SCALE X 1000
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1966
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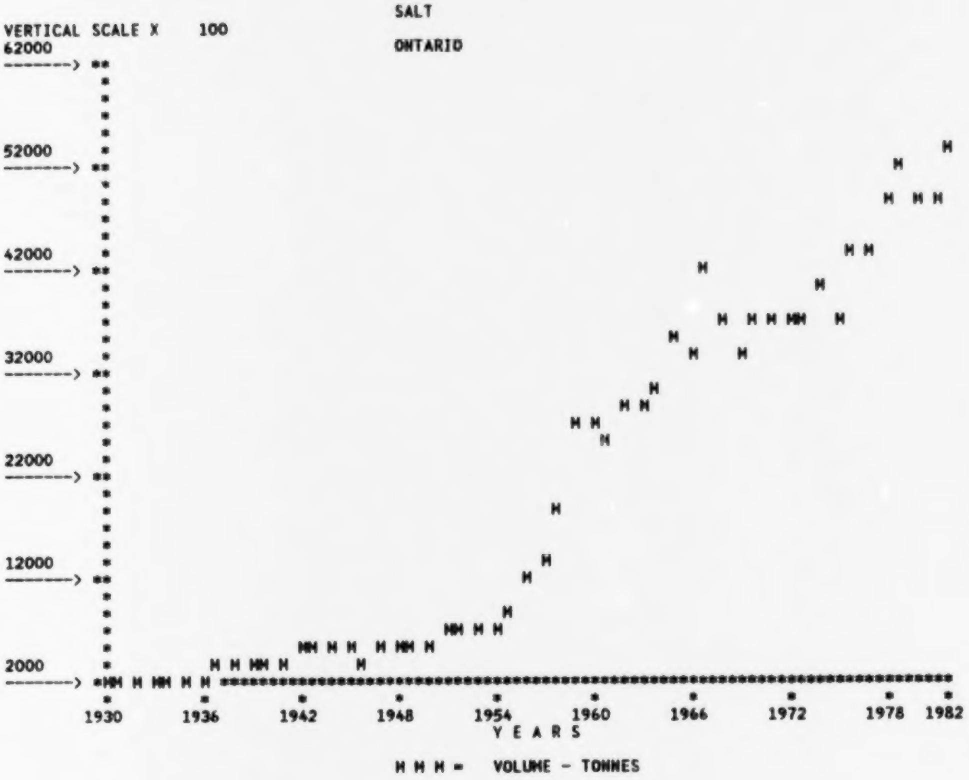
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF QUARTZ IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1890	200	181	1000	2777	7777	42.97
1893	100	90	500	1388	3888	43.20
1896	10	9	50	138	388	43.11
1898	284	257	570	1583	4433	17.25
1899	600	544	1260	3500	9800	18.01
1905	3357	3045	3357	9325	26110	8.57
1906	48376	43885	56765	157680	441505	10.06
1907	56585	51333	124148	344855	965595	18.81
1908	44741	40588	52830	146750	410900	10.12
1909	63172	57308	75329	209247	585892	10.22
1910	89635	81315	92672	257422	720782	8.86
1911	56723	51458	64405	178902	500927	9.73
1912	94758	85963	179576	498822	1396702	16.25
1913	54320	49278	130860	363500	1017800	20.65
1914	52947	48032	82554	229316	642086	13.37
1915	95460	86599	142354	395427	1107197	12.79
1916	142634	129395	214094	594705	1665175	12.87
1917	176993	160565	358674	996316	2789686	17.37
1918	215930	195888	472356	1312100	3673880	18.76
1919	59658	54120	179070	497416	1392766	25.73
1920	90555	82150	295161	819891	2295696	27.95
1921	69087	62674	157914	438650	1228220	19.60
1922	79560	72175	113625	315625	883750	12.24
1923	223064	202360	480463	1334619	3736934	18.47
1924	111400	101060	182943	508175	1422890	14.08
1925	184856	167698	313232	870088	2436248	14.53
1926	192733	174844	339304	929600	2602880	14.89
1927	159150	144378	226204	626603	1754490	12.15
1928	194503	176450	308608	859632	2406970	13.64
1929	187973	170526	316050	868269	2431153	14.26
1930	167487	151941	274672	775909	2172546	14.30
1931	97888	88802	148642	446372	1249842	14.07
1932	66135	59996	93574	310877	870455	14.51
1933	51601	46811	84564	285689	799929	17.09
1934	89838	81499	134572	448573	1256005	15.41
1935	83034	75327	120005	398687	1116325	14.82
1936	884585	802482	216037	694652	1945027	2.42
1937	1142372	1036342	633073	1978353	5539388	5.35
1938	1173259	1064362	597037	1871589	5240450	4.92
1939	1333342	1209587	665148	2098258	5875124	4.86
1940	1581367	1434592	810285	2447990	6854374	4.78
1941	1745244	1583258	899687	2520131	7056368	4.46
1942	1367733	1240786	914256	2451088	6863047	5.53
1943	1350640	1225280	852196	2207761	6181732	5.05
1944	1326288	1203188	868389	2176413	6093957	5.06
1945	1165238	1057086	820664	2011431	5632007	5.33
1946	1052689	954983	852729	2030307	5684860	5.95
1947	1442341	1308469	949210	2077045	5815728	4.44
1948	1496652	1357739	1019997	1988298	5567235	4.10
1949	1404140	1273814	1020411	1903751	5330505	4.18
1950	1386833	1258113	1027791	1875531	5251486	4.17
1951	1545137	1401724	1497811	2451409	6863945	4.90
1952	1429806	1297098	1506532	2365042	6622118	5.11
1953	1450770	1316116	1301048	2045672	5727884	4.35
1954	1476745	1339680	1270731	1967075	5507812	4.11
1955	1421302	1289383	1032938	1589135	4449579	3.45
1956	1571819	1425930	1413191	2096722	5870823	4.12
1957	1591091	1443413	1428400	2076162	5813255	4.03
1958	922599	836967	666275	954548	2672736	3.19
1959	1600352	1451814	1363541	1915085	5362239	3.69
1960	1659410	1505391	998281	1384578	3876819	2.58
1961	1540016	1397079	827061	1140773	3194166	2.29
1962	1352613	1227069	1077784	1466372	4105843	3.35
1963	952166	863790	644287	861346	2411769	2.79
1964	1127425	1022782	836939	1091185	3055318	2.99
1965	1301583	1180776	790245	999045	2797327	2.37
1966	1161057	1053293	902089	1090796	3054231	2.90
1967	1193124	1082383	467050	543713	1522398	1.41
1968	1205799	1093882	573430	646482	1810151	1.65
1969	865385	785064	429163	462959	1296285	1.65
1970	1748092	1585842	1211700	1251756	3504917	2.21
1971	1228455	1114435	2141272	2141272	5995561	5.38
1972	1177753	1068439	2750258	2621790	7341012	6.87
1973	1181348	1071700	3360622	2955692	8275938	7.72
1974	1236780	1121987	3849875	2975173	8330486	7.42
1975	1208394	1096237	4358086	2974802	8329447	7.60
1976	1242204	1126909	5203268	3243932	9083011	8.06
1977	1149783	1043066	6128927	3569555	9994755	9.58
1978	933106	846500	6978328	3819555	10694755	12.63
1979	1080572	980279	8965420	4467075	12507810	12.76
1980	439556	398759	8234895	3697752	10353707	25.96
1981	470895	427189	9787492	3973809	11126665	26.05
1982	325181	295000	7805000	2787500	7805000	26.46
TOTAL	61948388	56198601		114398788	320316672	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VERTICAL SCALE X 100
62000
52000
42000
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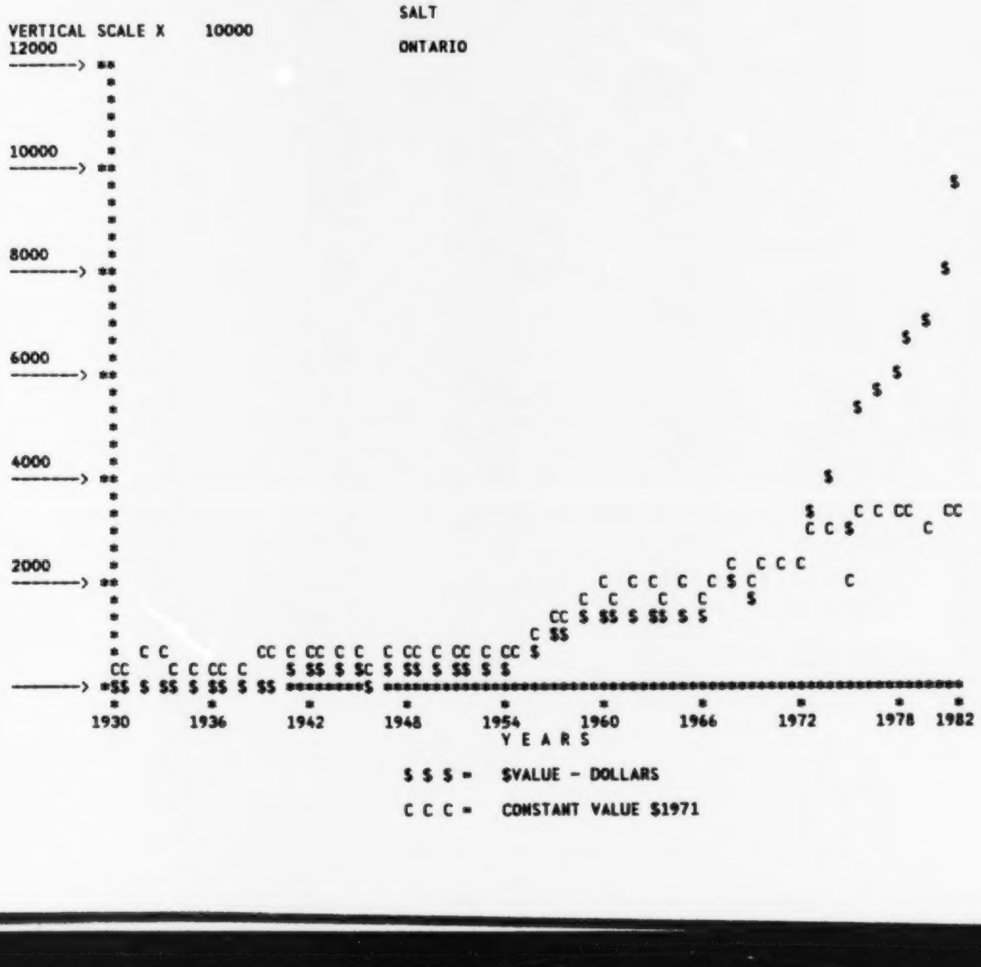
Y E A R S
H H H = VOLUME - TONNES


SALT
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VERTICAL SCALE X 10000
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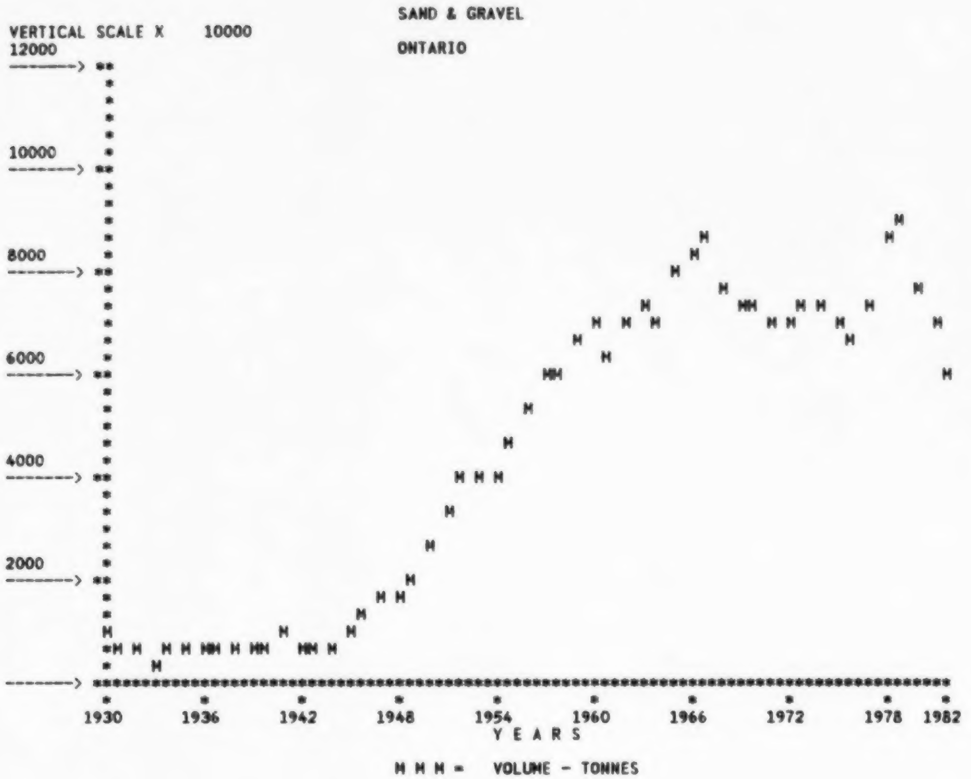
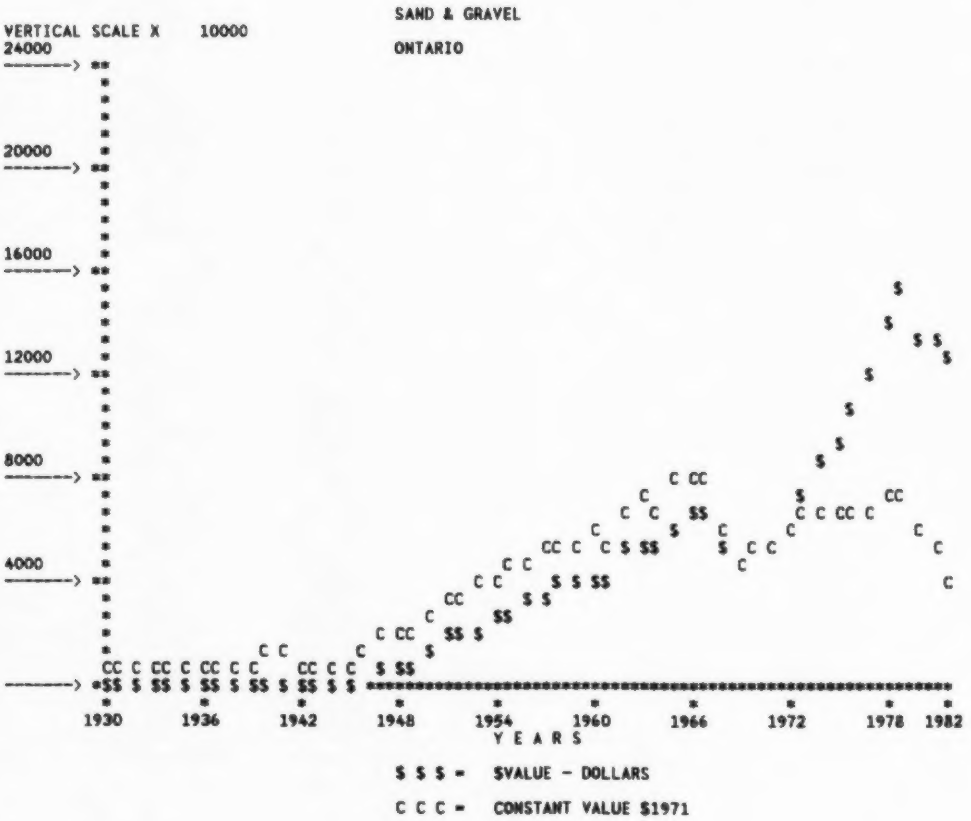
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF SALT IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1897	52877	47969	247177	686602	1922487	40.08
1898	46854	42505	261779	727163	2036058	47.90
1899	56375	51142	300337	834269	2335954	45.68
1900	60288	54692	324477	901325	2523710	46.14
1901	60327	54727	323058	897383	2512673	45.91
1902	60911	55257	336844	935677	2619897	47.41
1903	58274	52865	388097	1078047	3018532	57.10
1904	56023	50823	362986	1008294	2823224	55.55
1905	49605	45000	367593	1021091	2859056	63.53
1906	50514	45825	367738	1021494	2860184	62.42
1907	56638	51381	409941	1138725	3188430	62.05
1908	79912	72494	498730	1385361	3879011	53.51
1909	79587	72200	396795	1102208	3086183	42.74
1910	84071	76267	414978	1152716	3227606	42.32
1911	88689	80457	430835	1196763	3350938	41.65
1912	91276	82804	401274	1114650	3121020	37.69
1913	96799	87814	474372	1317700	3689560	42.02
1914	104774	95049	301718	838105	2346695	24.69
1915	116648	105821	585022	1625061	4550171	43.00
1916	133086	120733	723425	2009513	5626638	46.60
1917	138909	126016	1047707	2910297	8148832	64.67
1918	131726	119499	1287039	3575108	10010303	83.77
1919	148112	134364	1395368	3876022	10852862	80.77
1920	206612	187435	1544867	4291297	12015632	64.11
1921	161987	146952	1649626	4582294	12830424	87.31
1922	176741	160336	1573657	4371269	12239554	76.34
1923	197917	179547	1674365	4651013	13022838	72.53
1924	203428	184546	1337311	3714752	10401307	56.36
1925	226470	205450	1466450	4073472	11405722	55.52
1926	252345	228923	1388672	3804580	10652826	46.53
1927	254180	230588	1510777	4184977	11717938	50.82
1928	279841	253867	1377629	3837406	10744738	42.32
1929	302445	274373	1420424	3902263	10926338	39.82
1930	248637	225559	1558405	4402274	12326367	54.65
1931	231329	209858	1760388	5286450	14802061	70.53
1932	231138	209684	1789752	5946020	16648856	79.40
1933	244107	221450	1755087	5929348	16602174	74.97
1934	276751	251064	1734196	5780653	16185829	64.47
1935	320003	290301	1698508	5642883	15800074	54.43
1936	350044	317554	1557078	5006681	14018708	44.15
1937	407701	369860	1539599	4811246	13471491	36.42
1938	388130	352105	1637140	5132100	14369880	40.81
1939	370843	336423	2200189	6940659	19433846	57.77
1940	412401	374123	2371780	7165498	20063396	53.63
1941	477170	432881	2512166	7036879	19703262	45.52
1942	558407	506578	2793328	7488814	20968682	41.39
1943	594889	539674	2892839	7494401	20984324	38.88
1944	603806	547763	2906117	7283501	20393803	37.23
1945	578697	524985	2920973	7159247	20045893	38.18
1946	441679	400684	2408279	5733997	16055193	40.07
1947	633767	574943	3132165	6853752	19190507	33.38
1948	619598	562089	3265654	6365797	17824232	31.71
1949	607206	550848	3477583	6488028	18166478	32.98
1950	696582	631928	4639867	8466910	23707349	37.52
1951	772585	700877	4789990	7839590	21950854	31.32
1952	757025	686761	4401780	6910172	19348483	28.17
1953	749046	679523	3919810	6163223	17257025	25.40
1954	733066	665026	4440418	6873712	19246393	28.94
1955	998789	906086	5845340	8992830	25179926	27.79
1956	1347729	1222639	7932294	11768982	32953150	26.95
1957	1538805	1395980	9478587	13777015	38575644	27.63
1958	2126483	1929112	10204472	14619587	40934844	21.22
1959	3036230	2754421	13228977	18580024	52024067	18.89
1960	3007599	2728447	13994545	19409909	54347747	19.92
1961	2861705	2596095	13586373	18739824	52471509	20.21
1962	3155589	2862702	15387911	20935933	58620613	20.48
1963	3187491	2891643	14793161	19776953	55375468	19.15
1964	3335683	3026080	14552559	18973349	53125378	17.56
1965	3900484	3538459	15499274	19594531	54864686	15.51
1966	3782191	3431145	15243719	18432550	51611141	15.04
1967	4673278	4239526	19115598	22253315	62309283	14.70
1968	4143759	3759154	21605938	24358442	68203638	18.14
1969	3760042	3411052	19104176	20608604	57704092	16.92
1970	4158157	3772216	22700000	23450413	65661157	17.41
1971	4171454	3784279	24121302	24121302	67539646	17.85
1972	4037789	3663020	24481406	23337851	65345984	17.84
1973	4161436	3775191	33166178	29169901	81675724	21.63
1974	4456357	4042739	40169561	31042937	86920225	21.50
1975	4147958	3762965	32259074	22019845	61655568	16.38
1976	4948394	4489108	52492835	32726206	91633378	20.41
1977	4945509	4486491	57141078	33279602	93182888	20.77
1978	5362968	4865203	61679276	33759866	94527625	19.43
1979	5719523	5188664	67900216	33831697	94728752	18.26
1980	5369487	4871117	71400615	32061344	89771766	18.43
1981	5476837	4968503	80888513	32841458	91956085	18.51
1982	6039563	5479000	97701000	34893214	97701000	17.83
TOTAL	124320137	112781299		891326216	2495713485	


SAND & GRAVEL
ONTARIO

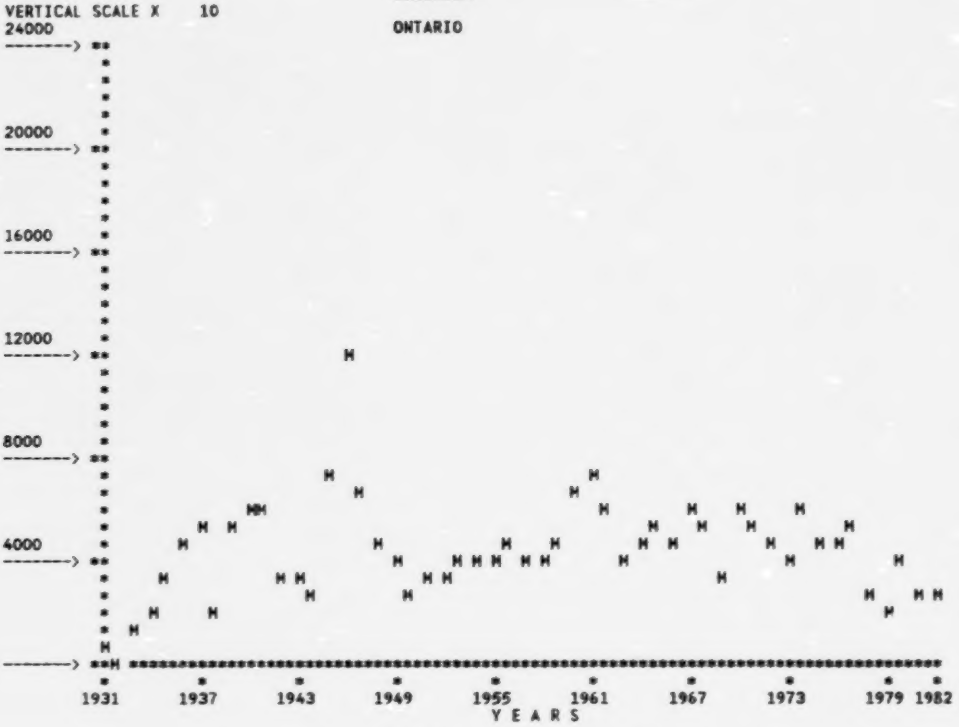

SAND & GRAVEL
ONTARIO

VOLUME AND VALUE OF PRODUCTION OF SAND & GRAVEL IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1913	575070	521694	233567	648797	1816632	3.48
1914	484785	439789	151909	421969	1181514	2.69
1915	905188	821172	178288	495244	1386684	1.69
1916	1709064	1550436	470963	1308230	3663045	2.36
1917	1603764	1454910	431597	1198880	3356865	2.31
1918	1381721	1253476	553638	1537883	4306073	3.44
1919	1438899	1305347	501666	1393516	3901846	2.99
1920	2919025	2648094	1390704	3863066	10816586	4.08
1921	6273173	5690926	1496729	4157580	11641225	2.05
1922	3576420	3244473	1816320	5045333	14126933	4.35
1923	4361886	3957036	1623317	4509213	12625798	3.19
1924	4395478	3987510	1587913	4410869	12350434	3.10
1925	3913292	3550078	1658700	4607500	12901000	3.63
1926	4899580	4444824	2117461	5801263	16243536	3.65
1927	5381769	4882258	2035793	5639315	15790084	3.23
1928	6193117	5618301	2056366	5728039	16038509	2.85
1929	8045213	7298494	3156254	8671027	24278876	3.33
1930	10215859	9267671	3559487	10055048	28154134	3.04
1931	6663972	6045453	2317015	6958002	19482408	3.22
1932	6590808	5979080	2000298	6645508	18607423	3.11
1933	5670030	5143764	2467916	8337554	23345151	4.54
1934	7254926	6581558	1714569	5715230	16002644	2.43
1935	8154618	7397745	2095610	6962159	19494046	2.64
1936	8498153	7709394	2227620	7162765	20055742	2.60
1937	8832526	8012732	3613854	11293293	31621222	3.95
1938	8531281	7739447	3046043	9548724	26736427	3.45
1939	9347792	8480174	3535698	11153621	31230140	3.68
1940	9678745	8780409	4025026	12160199	34048558	3.88
1941	11569382	10495566	4524463	12673565	35485984	3.38
1942	8420358	7638820	3433986	9206396	25777910	3.37
1943	8285309	7516305	3620852	9380445	26265247	3.49
1944	9529803	8645291	4417427	11071245	30999487	3.59
1945	10466891	9495403	4466862	10948191	30654935	3.23
1946	14880006	13498914	6738695	16044512	44924634	3.33
1947	20230499	18352800	9034131	19768339	55351350	3.02
1948	20587398	18676573	10468216	20405879	57136461	3.06
1949	22320753	20249046	11214136	20921895	58581307	2.89
1950	29879097	27105861	15285406	27893076	78100614	2.88
1951	39218058	35578024	19905293	32578221	91219018	2.56
1952	43423737	39393351	23240203	36483835	102154738	2.59
1953	43658099	39605961	24359496	38301094	107243064	2.71
1954	46433191	42123482	25577612	39593826	110862714	2.63
1955	51488067	46709189	29945730	46070354	128996990	2.76
1956	61436363	55734131	34379015	51007441	142820836	2.56
1957	66129158	59991363	36699895	53342870	149360036	2.49
1958	67469064	61206905	40055031	57385431	160679208	2.63
1959	73981703	67115072	39695602	55752250	156106302	2.33
1960	77660833	70452723	43929708	60928859	170600808	2.42
1961	70208199	63691807	40344071	55646994	155811584	2.45
1962	76600813	69491089	52365204	71245176	199486492	2.87
1963	80259750	72810421	56388204	75385299	211078836	2.90
1964	76917396	69778288	54589444	71172678	199283500	2.86
1965	88564687	80344533	63405954	80159234	224445854	2.79
1966	94123982	85387840	67245821	81312964	227676300	2.67
1967	94751250	85956888	67664191	78770886	220558480	2.57
1968	84095642	76290283	55094706	62113535	173917900	2.28
1969	82657386	74985519	46245525	49887298	139684434	1.86
1970	82877000	75184750	54419000	56217975	157410332	2.09
1971	77631000	70425659	57104000	57104000	159891200	2.27
1972	76380000	69290771	64320000	61315539	171683510	2.48
1973	80567636	73089730	74408416	65442758	183239722	2.51
1974	79984667	72560870	85518082	66088162	185046854	2.55
1975	76837088	69705434	95578927	65241588	182676448	2.62
1976	75841273	68802045	106093326	66142971	185200320	2.69
1977	83114703	75400390	121775893	70923641	198586198	2.63
1978	96833371	87845756	142743210	78129835	218763538	2.49
1979	99776403	90515630	151847457	75658923	211844984	2.34
1980	85517591	77580254	133979765	60161547	168452332	2.17
1981	77372742	70191371	134335610	54541457	152716082	2.18
1982	66138678	60000000	125000000	44642857	125000000	2.08
TOTAL	2681615180	2432720353		2232492868	6250980078	

SELENIUM

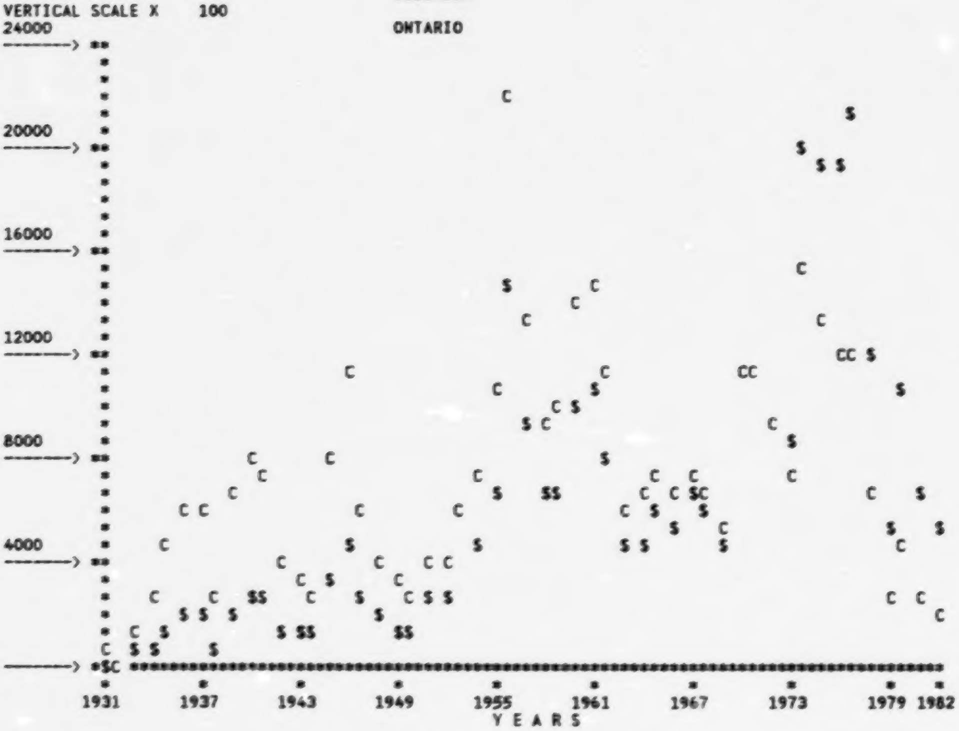
ONTARIO



M M M = VOLUME - KILOGRAMS

SELENIUM

ONTARIO

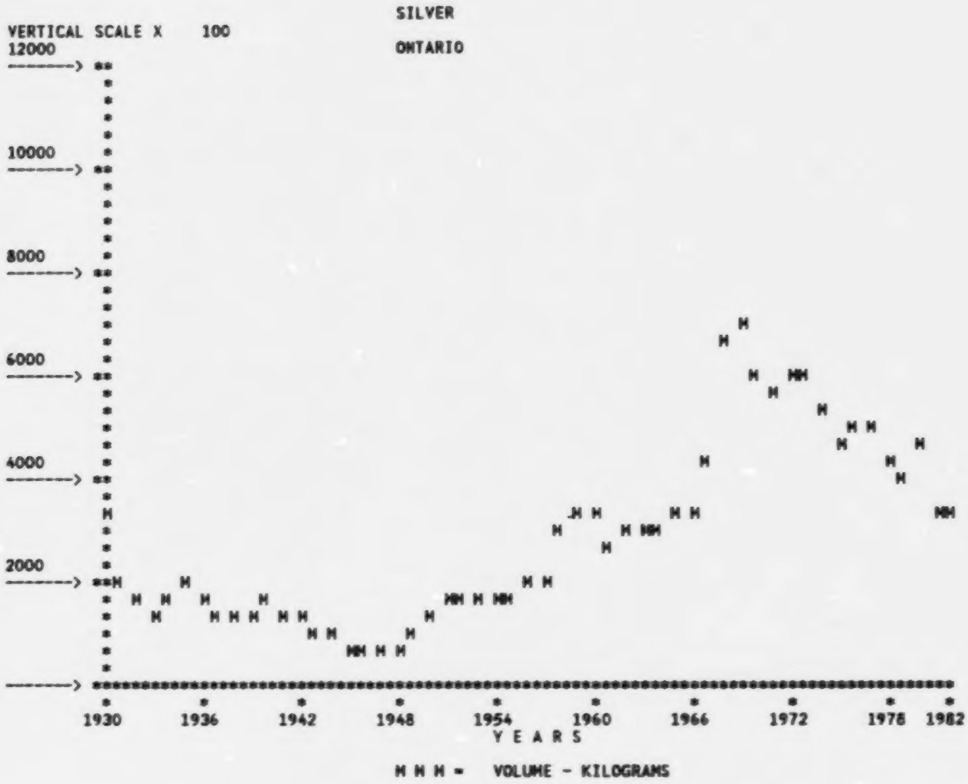


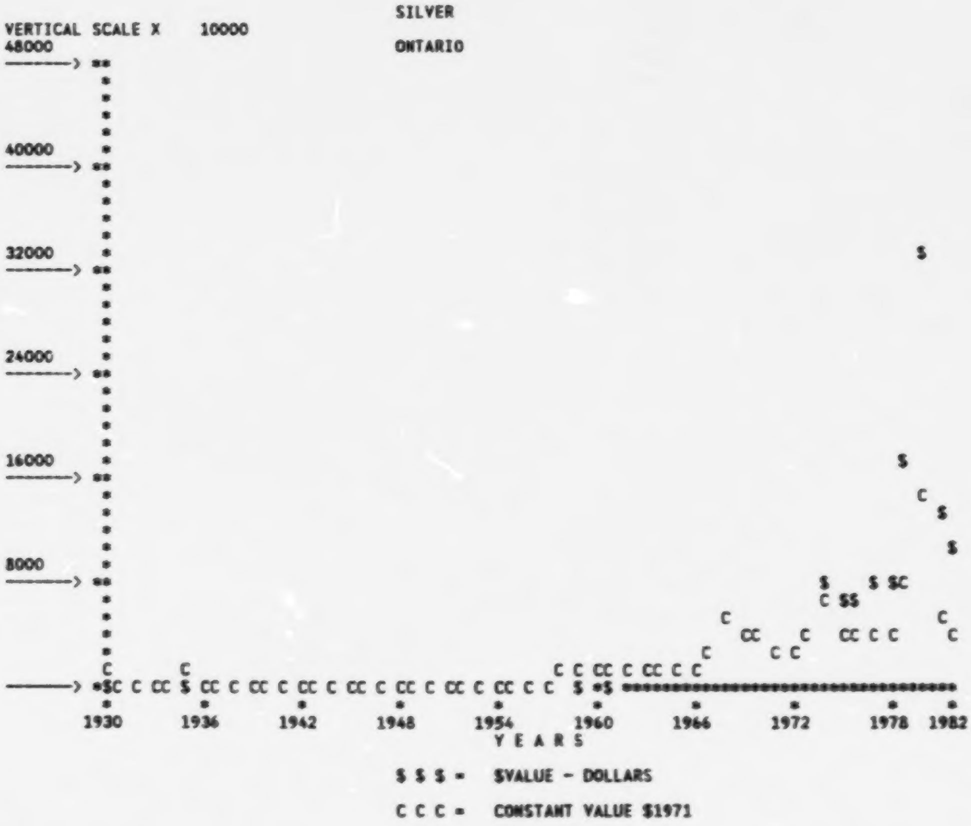
$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF SELENIUM IN ONTARIO

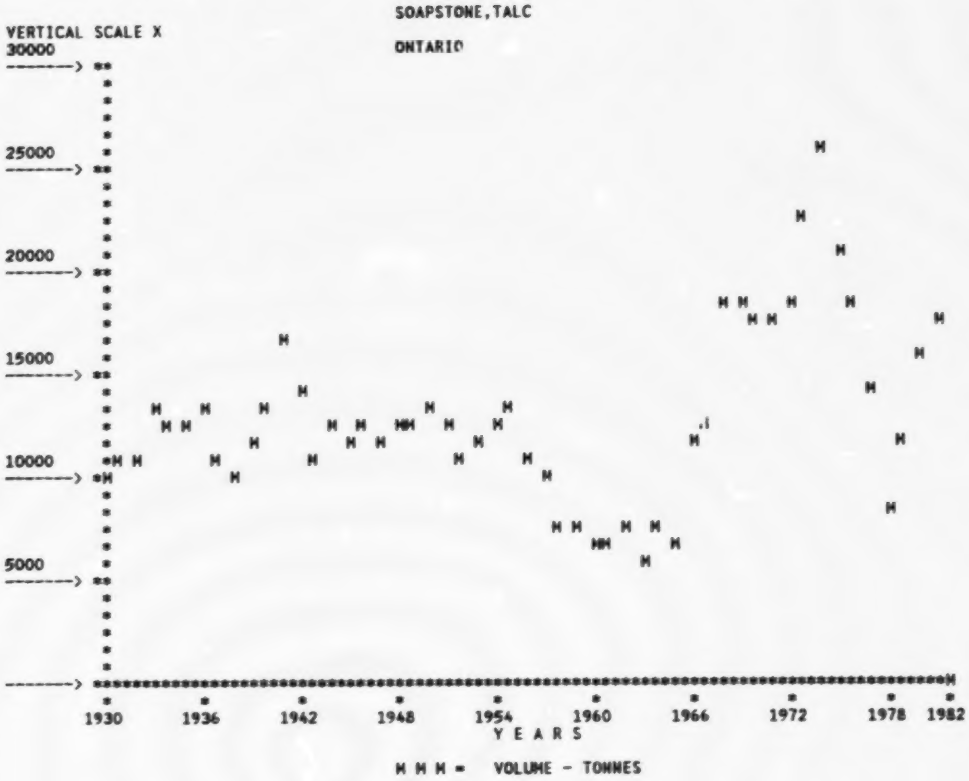
	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1931	16899	7665	32108	96420	269977	35.22
1932	0	0	0	0	0	.00
1933	26090	11834	53745	181570	508398	42.96
1934	51574	23393	91286	304286	852002	36.42
1935	75363	34184	144697	480720	1346018	39.38
1936	106300	48216	188151	604987	1693963	35.13
1937	116696	52932	201884	630887	1766485	33.37
1938	54577	24755	94691	296836	831143	33.57
1939	126930	57574	224539	708324	1983309	34.45
1940	136350	61847	260429	786794	2203024	35.62
1941	142498	64636	272171	762383	2134674	33.03
1942	76000	34473	145920	391206	1095378	31.77
1943	82000	37194	143500	371761	1040932	27.99
1944	65000	29483	117000	293233	821052	27.85
1945	168000	76203	322560	790588	2213647	29.05
1946	270606	122744	492503	1172626	3283353	26.75
1947	146406	66408	273779	599078	1677420	25.26
1948	108989	49436	217978	424908	1189743	24.07
1949	86842	39390	178026	332138	929986	23.61
1950	63709	28897	154176	281343	787760	27.26
1951	82409	37380	267005	436996	1223590	32.73
1952	81578	37003	265128	416213	1165397	31.49
1953	92698	42047	389332	612157	1714040	40.76
1954	94826	43012	474130	733947	2055052	47.78
1955	94465	42848	708488	1089981	3051948	71.23
1956	109156	49512	1473606	2186359	6121805	123.64
1957	86459	39217	951049	1382338	3870548	98.70
1958	90295	40957	677213	970219	2716613	66.33
1959	101400	45994	709800	996910	2791348	60.69
1960	144500	65544	1011500	1402912	3928155	59.93
1961	164800	74752	1071200	1477517	4137048	55.34
1962	142915	64825	821761	1118042	3130518	48.29
1963	95100	43136	461235	616624	1726548	40.03
1964	104905	47584	508789	663349	1857378	39.03
1965	123175	55871	597399	755245	2114686	37.85
1966	111000	50348	538350	650967	1822708	36.20
1967	134800	61144	653780	761094	2131064	34.85
1968	127500	57833	618375	697153	1952029	33.75
1969	84000	38101	480480	518317	1451288	38.09
1970	131506	59650	1130952	1168338	3271348	54.84
1971	128000	58059	1163520	1163520	3257856	56.11
1972	108783	49343	969257	923981	2587149	52.43
1973	94950	43068	867843	763274	2137168	49.62
1974	128504	58288	2023938	1564094	4379464	75.13
1975	107700	48851	1971987	1346066	3768985	77.15
1976	108400	49169	1924100	1199563	3358778	68.31
1977	117174	53149	2128700	1239778	3471380	65.31
1978	69403	31480	1187485	649964	1819900	57.81
1979	40400	18325	581356	289664	811059	44.26
1980	94999	43091	1068915	479979	1343943	31.19
1981	62999	28576	679823	276014	772839	27.05
1982	61729	28000	526000	187857	526000	18.79
TOTAL	5241357	2377421		38248520	107095896	


SILVER
ONTARIO
VERTICAL SCALE X 100
12000
10000
8000
6000
4000
2000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - KILOGRAMS


SILVER
ONTARIO
VERTICAL SCALE X 10000
48000
40000
32000
24000
16000
8000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

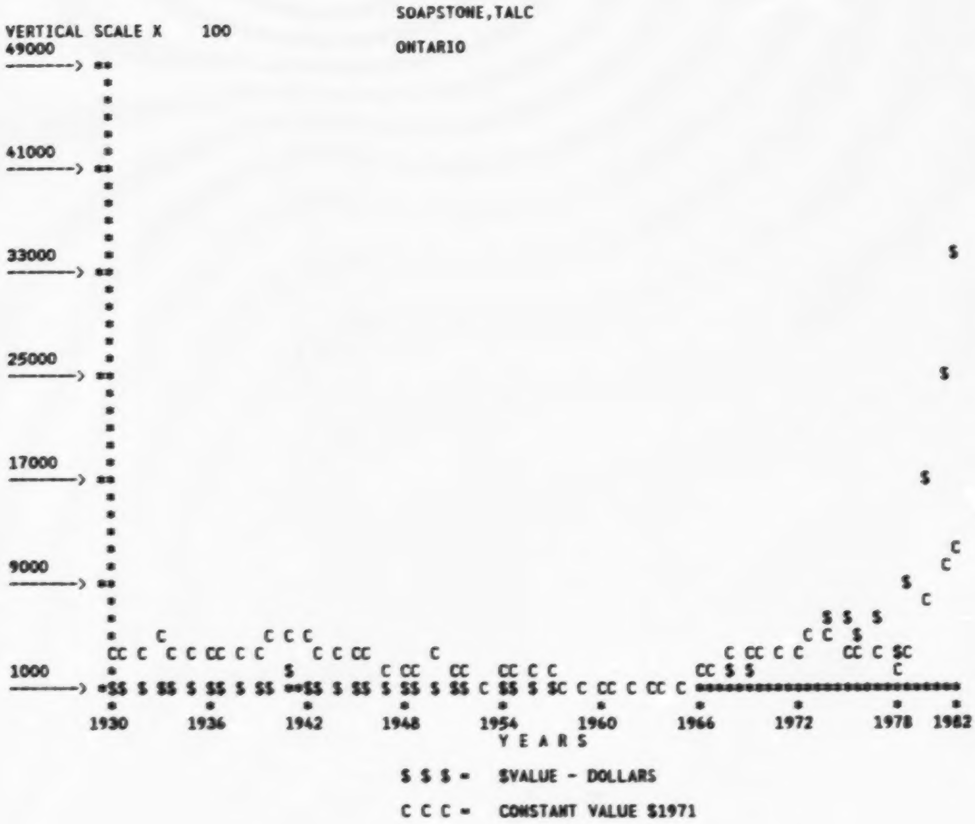
VOLUME AND VALUE OF PRODUCTION OF SILVER IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	TROY OUNCES	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1898	86600	2693	51960	144333	404133	150.07
1899	104000	3234	62090	172472	482922	149.33
1900	160612	4995	96367	267686	749521	150.05
1901	145000	4510	80088	222466	622906	138.12
1902	96666	3006	58000	161111	451111	150.07
1903	16000	497	8640	24000	67200	135.21
1904	206881	6434	111893	310813	870278	135.26
1905	2473552	76936	1372877	3813547	10677932	138.79
1906	5433984	169015	3689286	10248016	28694446	169.77
1907	9996887	310937	6146904	17074733	47809253	153.76
1908	19444397	604788	9136975	25380486	71065361	117.50
1909	26006450	808891	12646073	35127980	98358346	121.60
1910	30901242	961136	15624312	43400867	121522427	126.44
1911	31499410	979741	16175229	44931192	125807337	128.41
1912	30721026	955530	17699391	49164975	137661930	144.07
1913	29797060	926792	16588887	46080242	129024677	139.22
1914	25172982	782967	12830913	35641425	99795990	127.46
1915	24354882	757521	11950198	33194994	92945985	122.70
1916	19959116	620797	12672536	35201489	98564169	158.77
1917	19479288	605873	16182966	44952683	125867514	207.75
1918	17413506	541620	17414283	48373008	135444424	250.07
1919	11335018	352558	12904348	35845411	100367151	284.68
1920	11065507	344175	10859320	30164778	84461378	245.40
1921	8427102	262112	5667071	15741864	44077219	168.16
1922	10912114	339404	7793755	21649319	60618094	178.60
1923	10635724	330807	6840872	19002422	53206782	160.84
1924	10287994	319992	6939240	19275666	53971867	168.67
1925	12035119	374334	8298106	23050294	64540824	172.42
1926	10389156	323138	6343415	17379219	48661814	150.59
1927	9047598	281411	5171753	14326185	40113319	142.54
1928	7218271	224513	4189713	11670509	32677427	145.55
1929	8518816	264964	4381028	12035791	33700215	127.19
1930	10566498	328654	4026894	11375406	31851138	96.91
1931	7185593	223496	2208449	6631978	18569541	83.09
1932	5768230	179412	1755186	5831182	16327311	91.00
1933	5076927	157910	1887398	6376344	17853765	113.06
1934	5284736	164373	2485893	8286310	23201668	141.15
1935	6265035	194864	4013157	13332747	37331693	191.58
1936	5132583	159641	2294402	7377498	20656995	129.40
1937	4507683	140204	2011538	6286056	17600957	125.54
1938	4403334	136958	1914602	6001887	16805284	122.70
1939	4633589	144120	1860728	5869804	16435452	114.04
1940	5083671	158119	1852110	5595498	15667395	99.09
1941	4756679	147949	1787633	5007375	14020651	94.77
1942	4311631	134106	1748491	4687643	13125401	97.87
1943	3152765	98061	1360417	3524396	9868309	100.63
1944	2947871	91689	1239961	3107671	8701480	94.90
1945	2861188	88992	1321491	3238948	9069055	101.91
1946	2608365	81129	2171545	5170345	14476966	178.44
1947	2413827	75078	1715401	3753612	10510115	139.99
1948	2776544	86360	2155682	4202109	11765905	136.24
1949	2941433	91488	2209831	4122819	11543893	126.18
1950	4925337	153195	4082207	7449282	20857991	136.15
1951	6115694	190219	5781939	9463075	26496610	139.30
1952	6017665	187170	5021323	7882767	22071749	117.92
1953	5154619	160326	4331199	6810061	19068171	118.93
1954	5443721	169318	4530484	7013133	19636772	115.98
1955	6051017	188207	5337163	8211020	22990856	122.16
1956	6626447	206105	5940586	8813925	24678992	119.74
1957	6910130	214929	6034598	8771218	24559410	114.27
1958	9815257	305288	8529142	12219401	34214323	112.07
1959	10540856	327857	9252763	12995453	36387270	110.99
1960	11220823	349006	9976434	13836940	38743433	111.01
1961	8870402	275900	8361240	11532744	32291685	117.04
1962	9383445	291857	10931713	14873078	41644621	142.69
1963	9601621	298643	13288643	17765565	49743583	166.57
1964	9929858	308853	13901801	18124903	50749730	164.32
1965	10822213	336608	15151098	19154359	53632205	159.33
1966	10900204	339034	15249385	18439401	51630324	152.29
1967	14309391	445071	24783864	28851995	80785587	181.51
1968	21844592	679442	50526541	56963406	159497538	234.75
1969	22260439	692377	42962647	46345898	129768514	187.42
1970	19876430	618226	36771396	37986979	106363543	172.05
1971	18681633	581063	29143347	29143347	81601372	140.43
1972	19587694	609245	32711449	31183459	87313687	143.31
1973	19617406	610169	49553568	43582733	122031653	200.00
1974	17852419	555272	82638847	63863097	178816670	322.03
1975	14908138	463694	67176070	45853973	128391123	276.89
1976	16317178	507520	70131231	43722712	122423595	241.22
1977	16857240	524318	82937621	48303797	135250634	257.96
1978	14286562	444361	88162373	48255266	135114746	304.07
1979	13244397	411946	171832807	85616745	239726886	581.94
1980	14822362	461027	335566122	150680792	421906220	915.14
1981	10570490	328779	136969048	55610657	155709840	473.60
1982	11092007	345000	108448000	38731428	108448000	314.34
TOTAL	900477829	28007949		1871862213	5241214259	



SOAPSTONE,TALC

ONTARIO

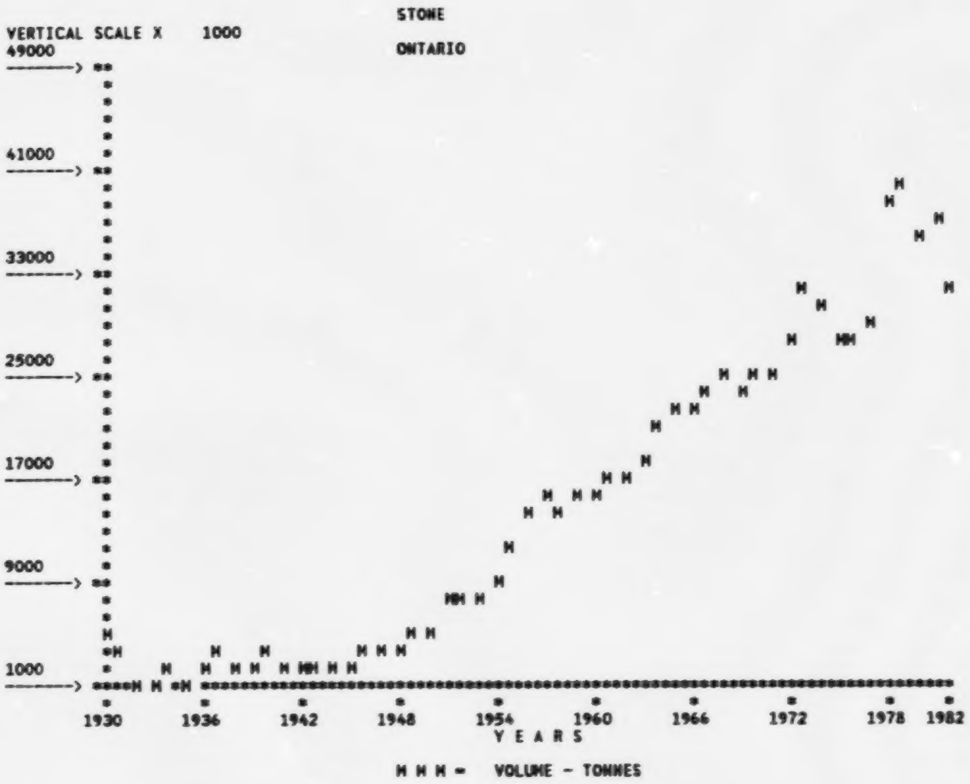


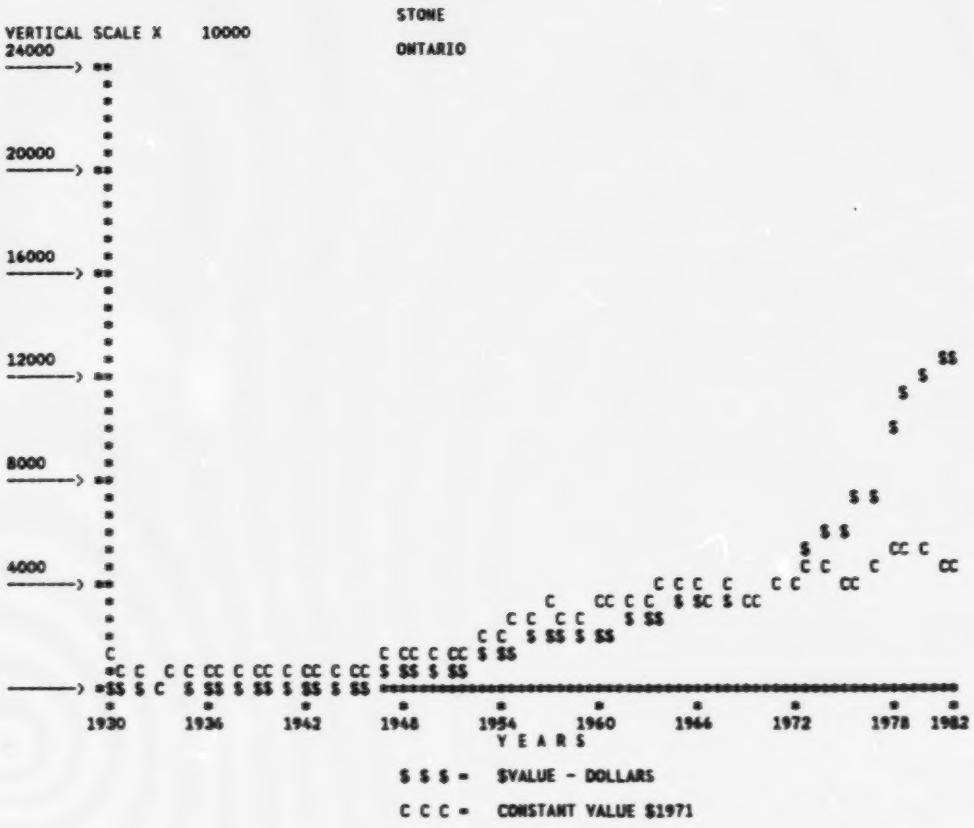
SOAPSTONE,TALC

ONTARIO

VOLUME AND VALUE OF PRODUCTION OF SOAPSTONE,TALC IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1895	475	430	2138	5938	16628	38.67
1896	410	371	1230	3416	9566	25.78
1897	157	142	350	972	2722	19.17
1898	405	367	1000	2777	7777	21.19
1899	100	90	500	1388	3888	43.20
1900	1000	907	5000	13888	38888	42.88
1901	400	362	1400	3888	10888	30.08
1902	697	632	930	2583	7233	11.44
1903	920	834	2625	7291	20416	24.48
1904	1313	1191	2919	8108	22703	19.06
1905	1120	1016	2240	6222	17422	17.15
1906	1235	1120	3030	8416	23566	21.04
1907	1870	1696	5010	13916	38966	22.98
1908	1016	921	3048	8466	23706	25.74
1909	4350	3946	8700	24166	67666	17.15
1910	5824	5283	46592	129422	362382	68.59
1911	5404	4902	47725	132569	371194	75.72
1912	6726	6101	61358	170438	477228	78.22
1913	20738	18813	125340	348166	974866	51.82
1914	10135	9194	74583	207175	580090	63.09
1915	11005	9983	85325	237013	663638	66.48
1916	11810	10713	111489	309691	867136	80.94
1917	16076	14583	179554	498761	1396531	95.76
1918	17465	15843	246691	685252	1918707	121.11
1919	17571	15940	240399	667775	1869770	117.30
1920	20359	18469	306319	850886	2382481	129.00
1921	9967	9041	140390	389972	1091922	120.77
1922	12871	11676	178397	495547	1387532	118.84
1923	9531	8646	125124	347566	973186	112.56
1924	10718	9723	130577	362713	1015598	104.45
1925	13678	12408	174116	483655	1354235	109.14
1926	14882	13500	178986	490372	1373043	101.71
1927	15138	13732	181981	504102	1411486	102.79
1928	14925	13539	179187	499128	1397558	103.22
1929	15463	14027	180492	495857	1388400	98.98
1930	11664	10581	133213	376307	1053662	99.58
1931	11806	10710	122044	366498	1026195	95.82
1932	12064	10944	111585	370714	1038000	94.85
1933	15114	13711	142134	480182	1344510	98.06
1934	13934	12640	135978	453260	1269128	100.41
1935	13710	12437	138161	459006	1285218	103.34
1936	14461	13118	143701	462061	1293771	98.63
1937	12457	11300	123301	385315	1078883	95.48
1938	10853	9845	109810	344231	963849	97.90
1939	13144	11924	128595	405662	1135854	95.26
1940	15166	13758	154734	467474	1308928	95.14
1941	18171	16484	204884	573904	1606933	97.48
1942	15499	14060	174295	467278	1308380	93.06
1943	11959	10849	131216	339937	951825	87.73
1944	13584	12323	153122	383764	1074540	87.20
1945	12863	11669	141194	346063	968978	83.04
1946	14439	13098	153680	365904	1024533	78.22
1947	13430	12183	142910	312713	875597	71.87
1948	14301	12973	164462	320588	897648	69.19
1949	13600	12337	160757	299919	839775	68.07
1950	15263	13846	182048	332204	930172	67.18
1951	13651	12383	160540	262749	735698	59.41
1952	12454	11298	149711	235025	658070	58.25
1953	13310	12074	125209	196869	551234	45.65
1954	13697	12425	169651	262617	735329	59.18
1955	14591	13236	194952	299926	839793	63.45
1956	12371	11222	167851	249037	697303	62.14
1957	11236	10193	160015	232579	651223	63.89
1958	8725	7915	125511	179815	503482	63.61
1959	8796	7979	125903	176830	495124	62.05
1960	7189	6521	102645	142364	398621	61.13
1961	7417	6728	107660	148496	415790	61.80
1962	8082	7331	127912	174029	487283	66.47
1963	6903	6262	107986	144366	404225	64.55
1964	8060	7311	136468	177924	498188	68.14
1965	8028	7282	137458	173777	486576	66.82
1966	13509	12255	219924	265929	744603	60.76
1967	13829	12545	228650	266181	745308	59.41
1968	20254	18374	298991	337081	943827	51.27
1969	20269	18387	315347	340180	952504	51.80
1970	19109	17335	334889	345959	968687	55.88
1971	19420	17617	352541	352541	987114	56.03
1972	20873	18935	417728	398215	1115003	58.89
1973	24803	22500	550799	484431	1356409	60.28
1974	28626	25969	723119	558824	1564708	60.25
1975	23011	20876	624381	426198	1193356	57.16
1976	20486	18585	586902	365899	1024517	55.13
1977	15552	14109	660189	384501	1076604	76.31
1978	9243	8386	440324	241009	674826	80.47
1979	13390	12148	914257	455534	1275495	105.00
1980	17982	16313	1697535	762251	2134305	130.83
1981	20094	18229	2591565	1052198	2946155	161.62
1982	0	0	3429000	1224642	3429000	.00
TOTAL	1022120	927211		28079117	78621614	


STONE
ONTARIO
VERTICAL SCALE X 1000
49000
41000
33000
25000
17000
9000
1000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
M M M = VOLUME - TONNES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ONTARIO
VERTICAL SCALE X 10000
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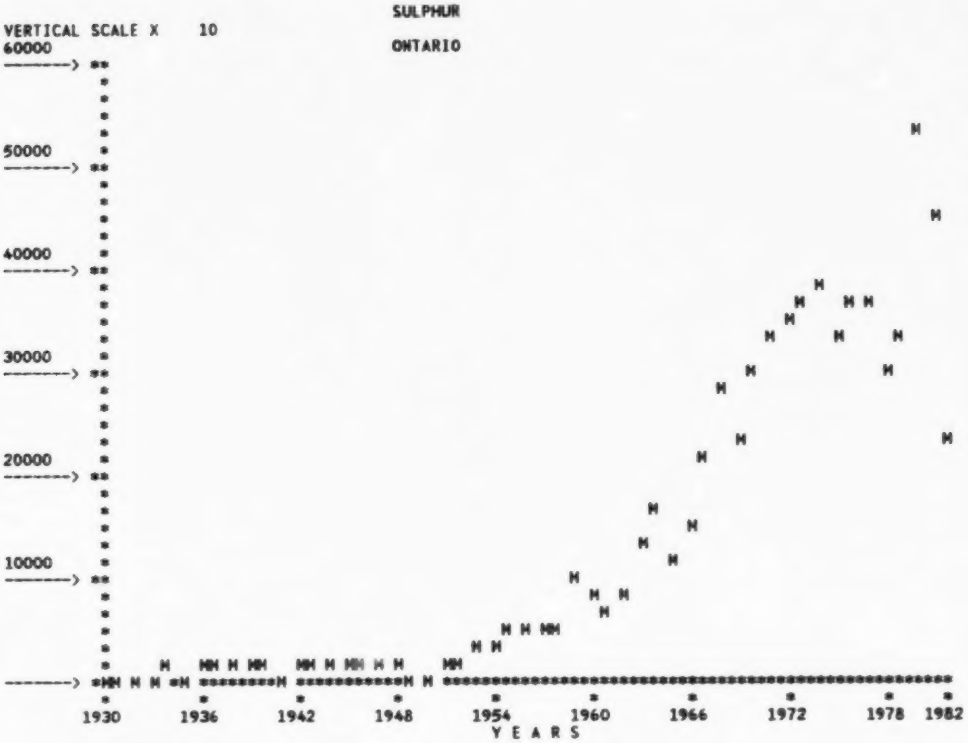
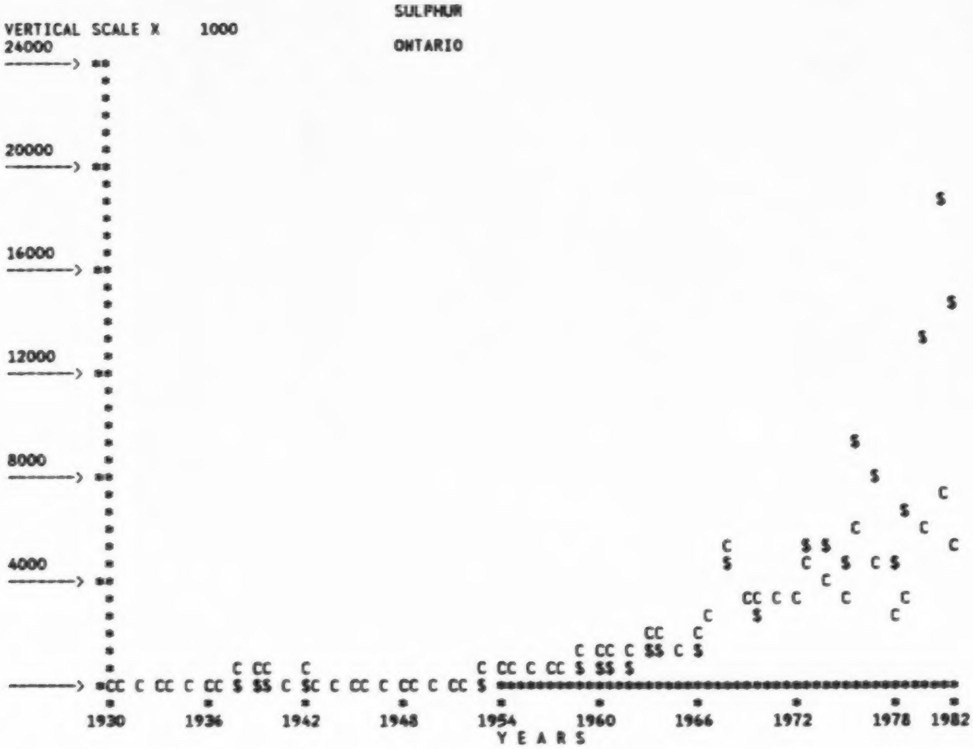
20000
16000
12000
8000
4000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF STONE IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1909	0	0	660000	1833333	5133333	.00
1910	0	0	761126	2114238	5919868	.00
1911	0	0	692627	1923963	5387098	.00
1912	0	0	953839	2649552	7418747	.00
1913	0	0	1137153	3158758	8844523	.00
1914	0	0	1088862	3024616	8468926	.00
1915	0	0	651593	1809980	5067945	.00
1916	0	0	755313	2098091	5874656	.00
1917	0	0	941052	2614033	7319293	.00
1918	0	0	869238	2414550	6760740	.00
1919	0	0	1230922	3419227	9573837	.00
1920	0	0	3944972	10958255	30683115	.00
1921	2716080	2463986	4167582	11576616	32414526	13.16
1922	2317265	2102187	2969926	8249794	23099424	10.99
1923	2858993	2593634	2552555	7090430	19853205	7.65
1924	2840173	2576561	2789368	7748244	21695084	8.42
1925	3023594	2742958	2817335	7825930	21912605	7.99
1926	3627971	3291239	3258168	8926487	24994165	7.59
1927	4254960	3860034	4060709	11248501	31495803	8.16
1928	4597764	4171021	4024989	11211668	31392671	7.53
1929	5244194	4757452	4771616	13108835	36704738	7.72
1930	5431106	4927016	4853852	13711446	38392049	7.79
1931	3708085	3363918	2974415	8932177	25010096	7.43
1932	1905138	1728312	1655016	5498392	15395497	8.91
1933	1253907	1137525	983268	3321851	9301183	8.18
1934	2460421	2232056	1966107	6553690	18350332	8.22
1935	2122941	1925899	1863892	6192332	17338530	9.00
1936	2706680	2455458	2398456	7712077	21593816	8.79
1937	4277601	3880574	3663769	11449278	32057978	8.26
1938	2513291	2280019	2323165	7282648	20391417	8.94
1939	2437594	2211348	2298111	7249561	20298772	9.18
1940	3840274	3483837	3387395	10233821	28654701	8.23
1941	3526337	3199039	3274027	9170944	25678643	8.03
1942	3106982	2818606	2985937	8005192	22414540	7.95
1943	3206027	2908458	2958383	7664204	21459773	7.38
1944	2988283	2710924	2909980	7293183	20420912	7.53
1945	2952357	2678333	2926694	7173269	20085155	7.50
1946	3882559	3522198	3906786	9301871	26045240	7.39
1947	4726647	4287942	5722763	12522457	35062880	8.18
1948	5017940	4552198	6338253	12355269	34594753	7.60
1949	5649528	5125165	7380457	13769509	38554626	7.52
1950	5716059	5185521	7843124	14312270	40074356	7.73
1951	8080087	7330131	10396650	17015793	47644222	6.50
1952	8217411	7454709	10302173	16172956	45284276	6.07
1953	8818886	8000358	11818582	18582676	52031493	6.50
1954	10142056	9200718	12632298	19554640	54752994	5.95
1955	12739139	11556752	16307975	25089192	70249738	6.08
1956	15734664	14274247	20820727	30891286	86495603	6.06
1957	17390438	15776340	22195815	32261358	90331805	5.73
1958	15756560	14294110	20670480	29613868	82918831	5.80
1959	17288796	15684132	22053425	30973911	86726953	5.53
1960	17938583	16273608	23220659	32206184	90177317	5.54
1961	18361843	16657583	23493092	32404264	90731941	5.45
1962	18797648	17052939	25043550	34072857	95404000	5.59
1963	20402614	18508940	25073907	33521265	93859544	5.07
1964	23845993	21632721	30818734	40180879	112506461	5.20
1965	24659053	22370316	32284988	40815408	114283143	5.11
1966	25702843	23317227	33602286	40631543	113768321	4.88
1967	25744989	23355461	32522455	37860832	106010330	4.54
1968	28636257	25978375	37733856	42540987	119114766	4.59
1969	27034506	24525291	32293526	34836598	97542474	3.98
1970	27673376	25104864	34447188	35585938	99640627	3.97
1971	28238491	25617528	38483600	38483600	107754080	4.21
1972	31091493	28205728	41230596	39304667	110053069	3.90
1973	35539327	32240735	52869733	46499325	130198110	4.04
1974	34459673	31261289	60916200	47075889	131812489	4.22
1975	30342065	27525859	62249745	42491293	118975622	4.32
1976	31047044	28165405	71860589	44800866	125442425	4.45
1977	31822770	28869132	77884277	45360673	127009887	4.40
1978	42041265	38139194	101622551	55622633	155743372	4.08
1979	43906153	39830992	113477990	56541101	158315084	3.97
1980	39690103	36006256	122858916	55167901	154470124	4.29
1981	41387762	37546346	126905736	51524862	144269614	3.84
1982	35273962	32000000	128000000	45714286	128000000	4.00
TOTAL	902716601	818930704		1508110073	4222708266	



M M M = VOLUME - TONNES

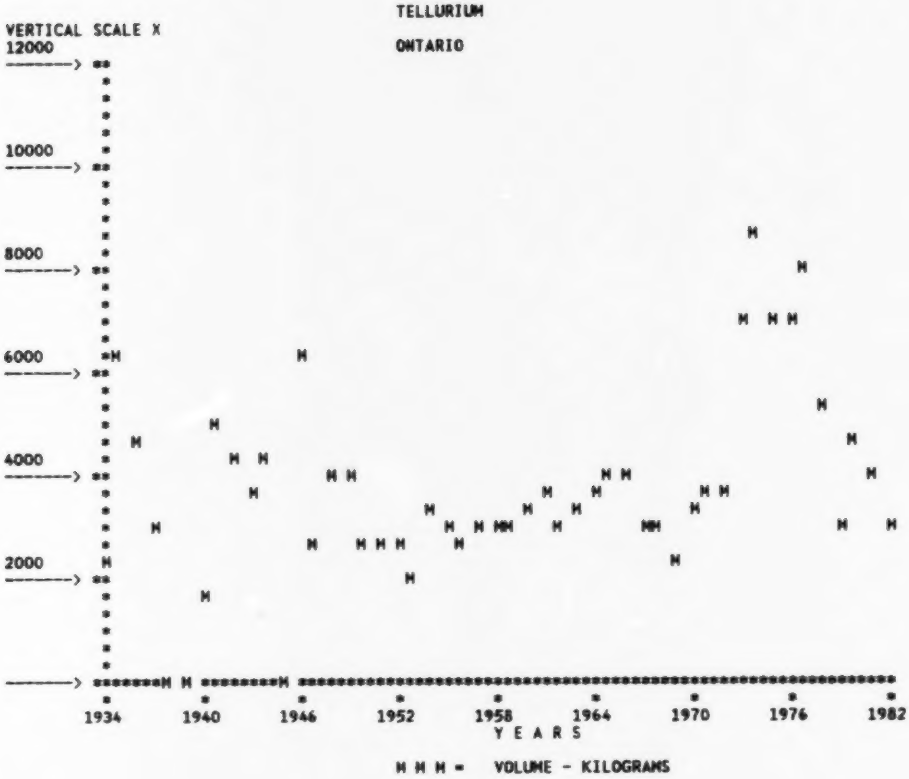


$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF SULPHUR IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	SHORT TONS	TONNES	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/TONNES
1901	7000	6350	17500	48611	136111	21.43
1902	4371	3965	14993	41647	116612	29.41
1903	7469	6775	21693	60258	168723	24.90
1904	13451	12202	43716	121433	340013	27.87
1905	7325	6645	21885	60791	170216	25.62
1906	10323	9364	38368	106577	298417	31.87
1907	15755	14292	51842	144005	403215	28.21
1908	20970	19023	69980	194388	544288	28.61
1909	28946	26259	78171	217141	607996	23.15
1910	33812	30673	98353	273202	764967	24.94
1911	43629	39579	118457	329047	921332	23.28
1912	20744	18818	71043	197341	552556	29.36
1913	71620	64972	171687	476908	1335343	20.55
1914	107258	97302	264722	735338	2058948	21.16
1915	145315	131827	353498	981938	2749428	20.86
1916	175593	159295	471807	1310575	3669610	23.04
1917	286049	259499	1111264	3086844	8643164	33.31
1918	270966	245816	1144737	3179825	8903510	36.22
1919	117178	106302	366422	1017838	2849948	26.81
1920	148651	134853	618283	1717452	4808867	35.66
1921	27785	25206	101306	281405	787935	31.26
1922	11235	10192	39763	110452	309267	30.34
1923	25134	22801	99716	276988	775568	34.01
1924	11429	10368	44542	123727	346437	33.41
1925	685	621	8799	24441	68436	110.20
1926	371	336	4912	13457	37681	112.15
1927	463	420	6077	16833	47134	112.22
1928	4974	4512	54100	150696	421949	93.52
1929	4579	4153	51516	141527	396276	95.42
1930	7277	6601	73855	208629	584163	88.50
1931	6508	5903	65080	195435	547219	92.70
1932	3332	3022	33320	110697	309953	102.57
1933	8196	7435	81960	276891	775297	104.28
1934	14598	13243	145980	486600	1362480	102.88
1935	13292	12058	132920	441594	1236465	102.54
1936	14152	12838	141520	455048	1274135	99.25
1937	14009	12708	140090	437781	1225787	96.46
1938	16897	15328	168970	529686	1483122	96.76
1939	16126	14629	161260	508706	1424378	97.37
1940	18688	16953	186880	564592	1580858	93.25
1941	10057	9123	100570	281708	788784	86.46
1942	18634	16904	186340	499571	1398798	82.75
1943	16907	15337	169070	438005	1226414	79.96
1944	17876	16216	178760	448020	1254456	77.36
1945	16847	15283	168470	412916	1156166	75.65
1946	15433	14000	153680	365904	1024533	73.18
1947	15931	14452	159310	348599	976078	67.54
1948	15550	14106	155500	303118	848732	60.17
1949	12630	11457	126300	235634	659776	57.59
1950	13154	11933	131540	240036	672102	56.32
1951	15605	14156	156050	255400	715122	50.52
1952	18346	16643	183460	288006	806417	48.45
1953	37130	33683	371300	583805	1634654	48.53
1954	49598	44994	495980	767770	2149758	47.78
1955	57100	51800	571000	878461	2459692	47.48
1956	53481	48517	534810	793486	2221762	45.79
1957	54264	49227	542846	789020	2209256	44.88
1958	62260	56481	622619	892004	2497612	44.22
1959	107690	97694	1041857	1463282	4097190	41.94
1960	95766	86877	985717	1367152	3828027	44.06
1961	84712	76849	855058	1179390	3302292	42.97
1962	94803	86003	952877	1296431	3630007	42.21
1963	147246	133579	1460438	1952457	5466880	40.93
1964	179283	162642	1676727	2186084	6121037	37.64
1965	140116	127111	1322611	1672074	4681808	36.83
1966	161159	146200	1517809	1835319	5138893	35.15
1967	234448	212687	2354010	2740407	7673140	36.08
1968	309353	280640	4676198	5271925	14761391	52.60
1969	253091	229600	3393087	3660288	10248806	44.64
1970	331346	300592	3097285	3199674	8959088	29.80
1971	372692	338100	3406225	3406225	9537430	28.21
1972	391084	354785	3448498	3287414	9204761	25.94
1973	405157	367552	5437184	4782044	13389723	36.43
1974	421906	382746	5661978	4375562	12251575	32.01
1975	378632	343490	4770425	3256262	9117535	26.54
1976	401615	364339	9597141	5983255	16753114	45.98
1977	416439	377788	7934689	4621251	12939504	34.25
1978	330735	300038	5135083	2810663	7869858	26.23
1979	370690	336285	6894212	3435083	9618233	28.60
1980	597072	541655	13440942	6035447	16899253	31.20
1981	492553	446837	18578353	7542977	21120336	47.27
1982	260145	236000	14543000	5193928	14543000	61.62
TOTAL	9234691	8377539		111032401	310890797	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ONTARIO
VERTICAL SCALE X
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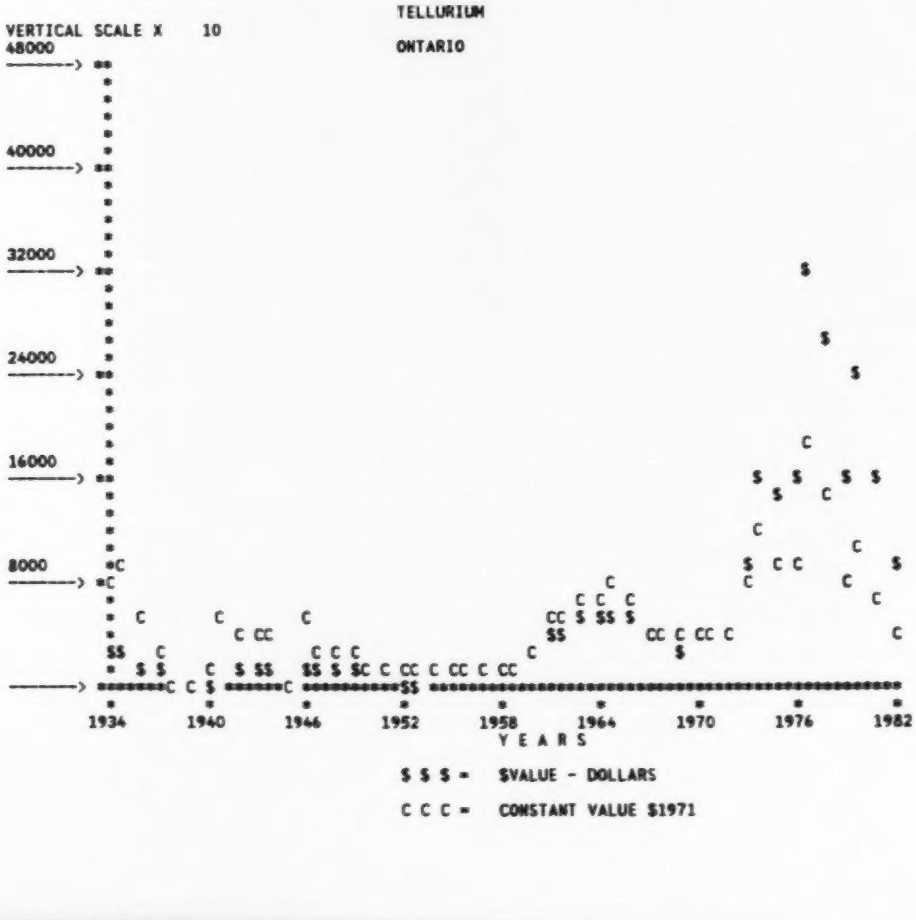
8000
6000
4000
2000
1934
1940
1946
1952
1958
1964
1970
1976
1982
Y E A R S
M M M = VOLUME - KILOGRAMS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ONTARIO
VERTICAL SCALE X 10
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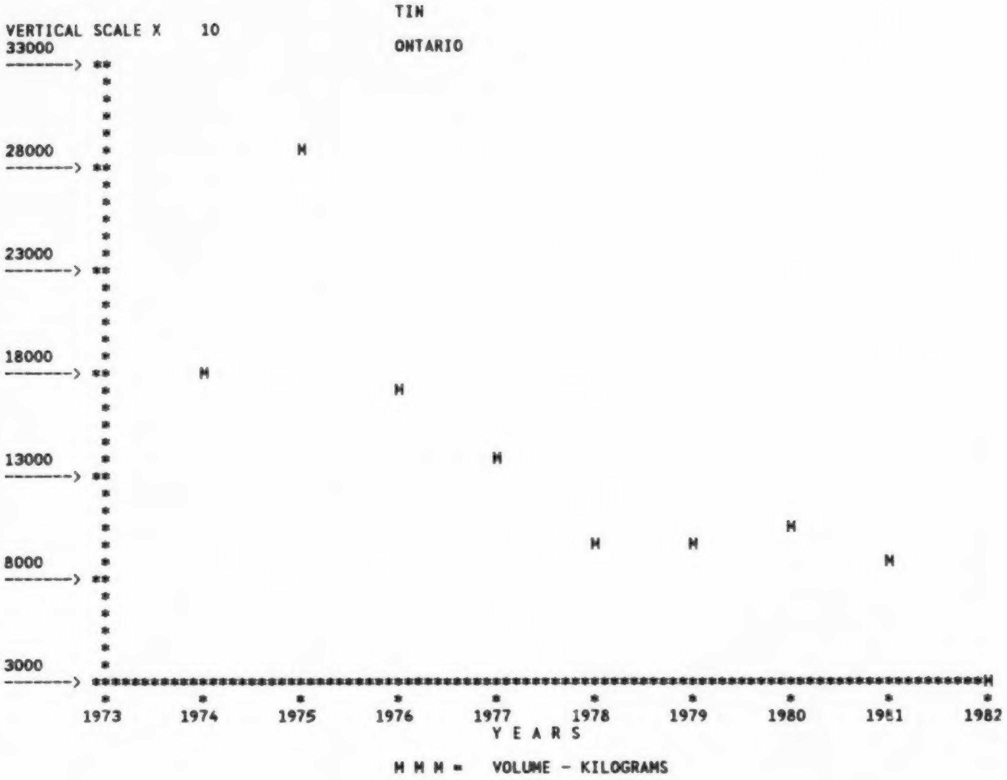
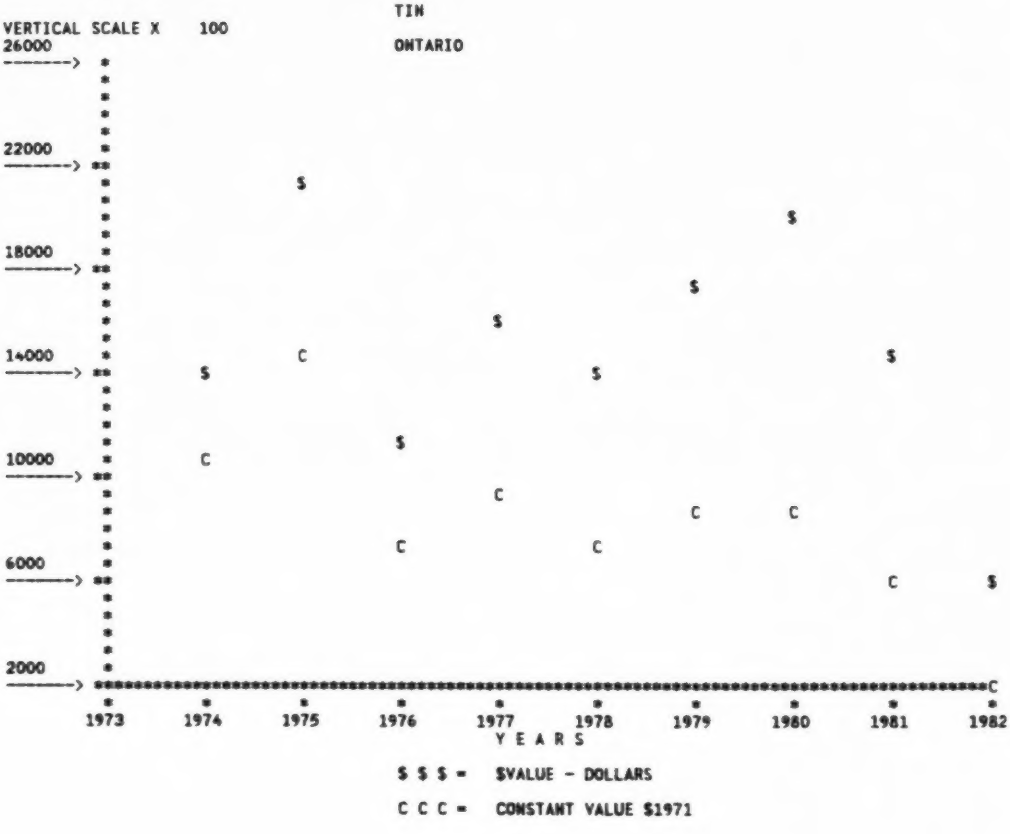
40000
32000
24000
16000
8000
1934
1940
1946
1952
1958
1964
1970
1976
1982
Y E A R S
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF TELLURIUM IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1934	5130	2326	25599	85330	238924	102.72
1935	14275	6475	28550	94850	265581	41.02
1936	10197	4625	18049	58035	162499	35.13
1937	6651	3016	11506	35956	100677	33.38
1938	0	0	0	0	0	.00
1939	0	0	0	0	0	.00
1940	3491	1583	5607	16939	47430	29.96
1941	11453	5194	18394	51523	144266	27.78
1942	9500	4309	15200	40750	114101	26.48
1943	8600	3900	15050	38989	109170	27.99
1944	9900	4490	17325	43421	121578	27.08
1945	0	0	0	0	0	.00
1946	14200	6441	21868	52066	145786	22.63
1947	6169	2798	10796	23623	66146	23.64
1948	8739	3963	15293	29810	83470	21.06
1949	8726	3958	15707	29304	82051	20.73
1950	6010	2726	11419	20837	58345	21.40
1951	6301	2858	11594	18975	53131	18.59
1952	5710	2590	9707	15238	42668	16.47
1953	4525	2052	7919	12451	34863	16.99
1954	7195	3263	12591	19490	54573	16.72
1955	6455	2927	11296	17378	48659	16.62
1956	6305	2859	11034	16370	45838	16.03
1957	6915	3136	12101	17588	49248	15.70
1958	6692	3035	11376	16297	45634	15.04
1959	6900	3129	14835	20835	58339	18.64
1960	7450	3379	26075	36165	101262	29.97
1961	8050	3651	39043	53852	150786	41.30
1962	7011	3180	42066	57232	160251	50.39
1963	7705	3494	50082	66954	187472	53.66
1964	7900	3583	51350	66949	187457	52.32
1965	9315	4225	60548	76546	214329	50.73
1966	9000	4082	58500	70737	198065	48.52
1967	6500	2948	42250	49185	137718	46.72
1968	6600	2993	42636	48067	134589	44.97
1969	5610	2544	36241	39094	109465	43.03
1970	7325	3322	45928	47446	132849	39.99
1971	8100	3674	49086	49086	137440	37.41
1972	8327	3777	49462	47151	132024	34.95
1973	15346	6960	93150	81926	229393	32.96
1974	19468	8830	158080	122163	342058	38.74
1975	15286	6933	144606	98707	276380	39.86
1976	15500	7030	157945	98469	275714	39.22
1977	17802	8074	325367	189497	530592	65.72
1978	11700	5307	266912	146093	409060	77.08
1979	6900	3129	161667	80551	225544	72.08
1980	10815	4906	246560	110713	309999	63.19
1981	9800	4445	159575	64788	181408	40.81
1982	6613	3000	103000	36785	103000	34.33
TOTAL	408162	185119		2514211	7039832	


TIN
ONTARIO
VERTICAL SCALE X 10
33000
28000
23000
18000
13000
8000
3000
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
YEARS
M M M = VOLUME - KILOGRAMS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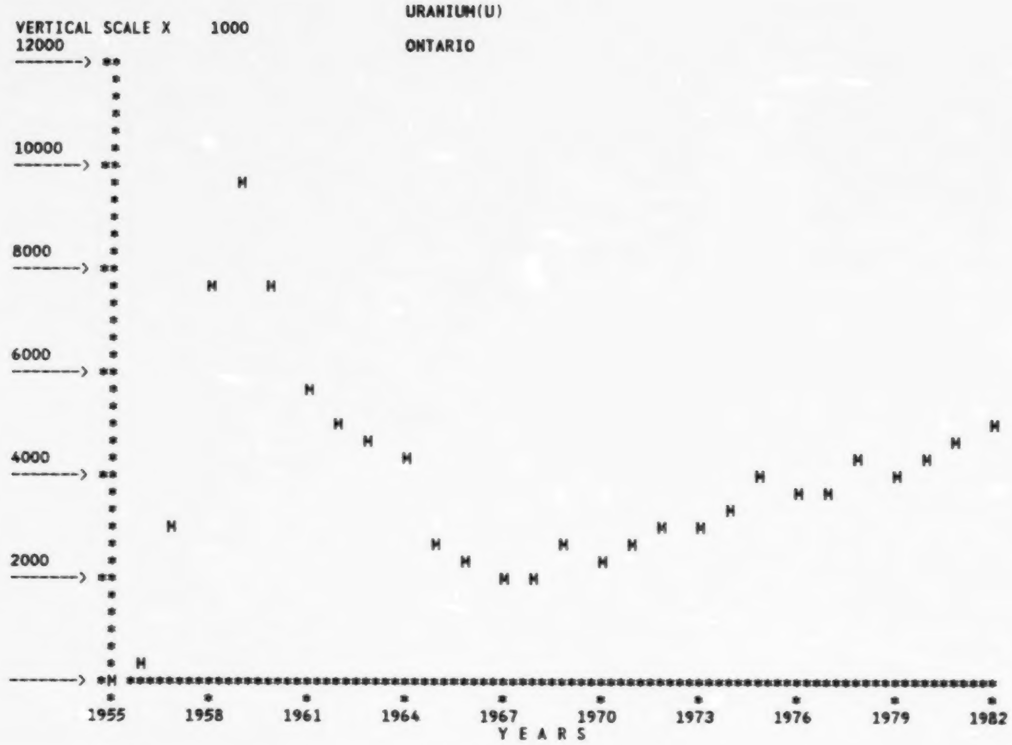
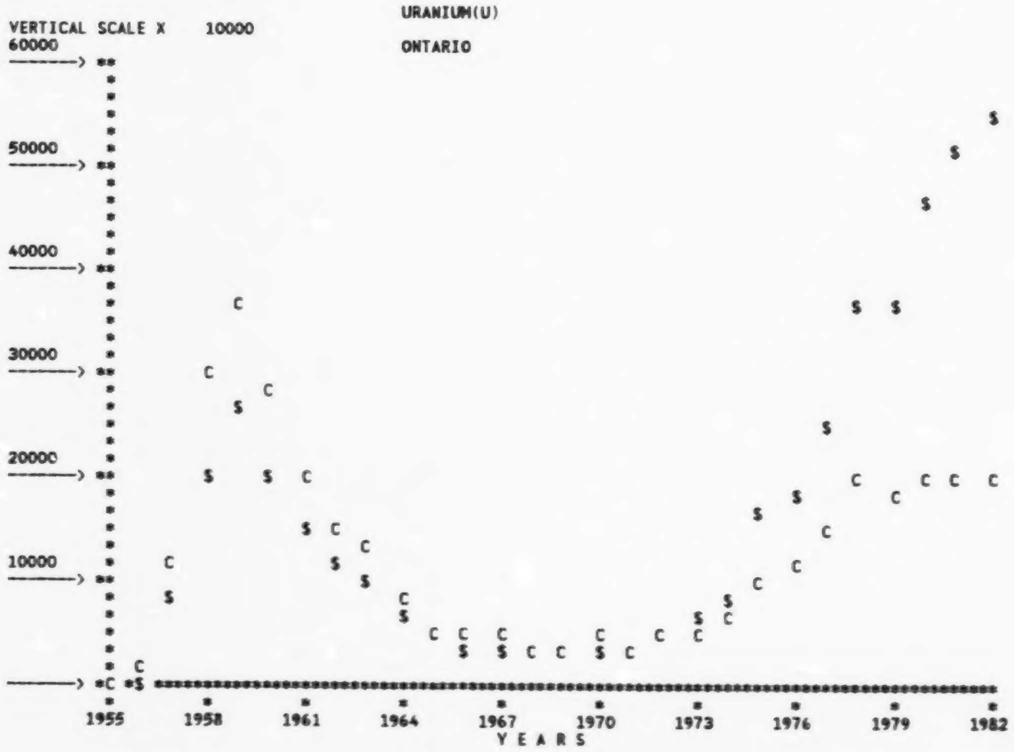
ONTARIO
VERTICAL SCALE X 100
26000
22000
18000
14000
10000
6000
2000
1973
1974
1975
1976
1977
1978
1979
1980
1981
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF TIN IN ONTARIO

YEAR	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1974	399358	181145	1397815	1080227	3024638	16.70
1975	632546	286918	2165533	1478179	4138902	14.43
1976	379574	172171	1168823	728692	2040339	11.85
1977	309763	140506	1633889	951595	2664466	18.96
1978	217252	98543	1423708	779259	2181927	22.14
1979	211143	95772	1745703	869807	2435460	25.43
1980	227102	103012	1989997	893577	2502016	24.29
1981	195713	88774	1479882	600845	1682366	18.95
1982	74957	34000	601000	214642	601000	17.68
TOTAL	2647408	1200841		7596823	21271114	



M M M = VOLUME - KILOGRAMS

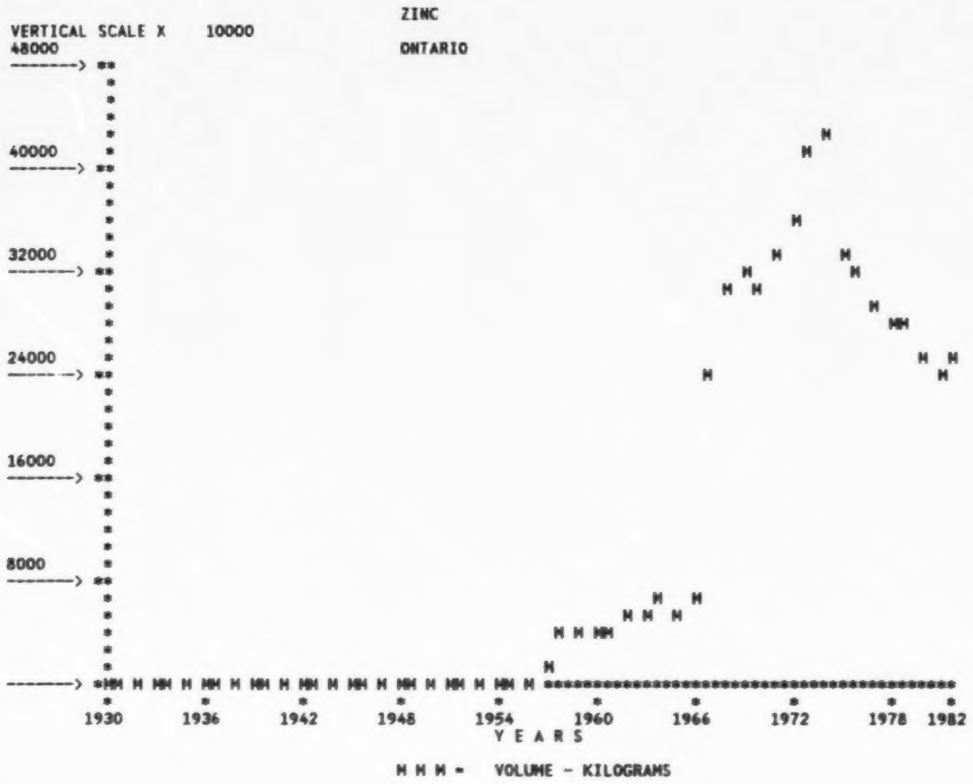


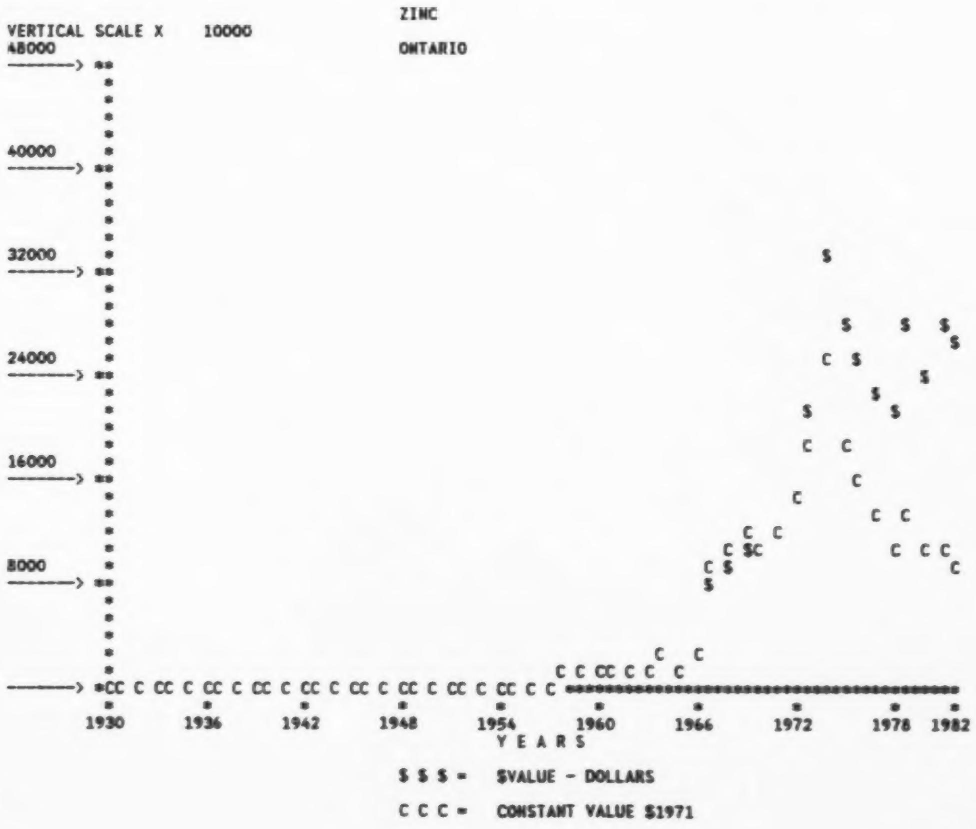
$ $ $ = $VALUE - DOLLARS

C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF URANIUM(U) IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1955	0	0	487054	749313	2098078	.00
1956	768838	348738	9361867	13890010	38892029	111.52
1957	6759326	3065978	82940763	120553434	337549616	110.10
1958	16935324	7681733	210149700	301074068	843007392	109.74
1959	21618189	9805845	268529993	377148868	1056016832	107.69
1960	16785723	7613875	211983533	294013224	823237024	108.12
1961	12695549	5758603	151060610	208359462	583406488	101.31
1962	10859228	4925662	118283081	160929362	450602216	91.48
1963	10829732	4912283	102951146	137635220	385378616	78.45
1964	10011144	4540978	63606944	82929523	232202666	51.13
1965	5787860	2625328	47234892	59715413	167203156	63.69
1966	4982782	2260151	42758135	51702702	144767568	64.05
1967	4622319	2096648	41418268	48216843	135007160	64.39
1968	4546692	2062344	39163777	44153074	123628609	59.95
1969	6139709	2784925	40307489	43481649	121748619	43.72
1970	5662178	2568320	44946115	46431937	130009424	50.62
1971	5944695	2696467	44626947	44626947	124955452	46.34
1972	7147262	3241943	60827490	57986168	162361272	50.08
1973	6881416	3121357	65208504	57351366	160583826	51.45
1974	7159909	3247679	91266421	70530465	197485302	60.81
1975	8963312	4065689	164149613	112047519	313733052	77.17
1976	8302222	3765824	186438898	116233727	325454436	86.42
1977	7998361	3627995	250688679	146003890	408810892	112.68
1978	9821228	4454834	363839550	199145894	557608504	125.17
1979	8830347	4005377	375793251	187241280	524275588	130.89
1980	9764401	4429058	464099607	208396770	583510960	131.75
1981	10713357	4859497	522011958	211941518	593436248	122.12
1982	10923905	4955000	550586000	196637858	550586000	111.12
TOTAL	241455008	109522131		3599127504	10077557025	


ZINC
ONTARIO
VERTICAL SCALE X 10000
48000
40000
32000
24000
16000
8000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
YEARS
M M M = VOLUME - KILOGRAMS


ZINC
ONTARIO
VERTICAL SCALE X 10000
48000
40000
32000
24000
16000
8000
1930
1936
1942
1948
1954
1960
1966
1972
1978
1982
YEARS
$ $ $ = $VALUE - DOLLARS
C C C = CONSTANT VALUE $1971

VOLUME AND VALUE OF PRODUCTION OF ZINC IN ONTARIO

	VOLUME OF PRODUCTION		VALUE OF PRODUCTION			UNIT VALUE
YEAR	POUNDS	KILOGRAMS	DOLLARS	1971 DOLLARS	1982 DOLLARS	1982 DOLLARS/KILOGRAMS
1899	2400000	1088000	24000	66666	186666	.17
1900	1000000	452000	500	1388	3888	.01
1901	3000000	1360000	15000	41666	116666	.09
1902	1900000	860000	11500	31944	89444	.10
1903	2300000	1042000	17000	47222	132222	.13
1904	1066000	482000	3700	10277	28777	.06
1905	0	0	0	0	0	.00
1906	800000	362000	6000	16666	46666	.13
1907	0	0	0	0	0	.00
1908	0	0	0	0	0	.00
1909	1790000	810000	8950	24861	69611	.09
1910	1152000	522000	5760	16000	44800	.09
1911	0	0	0	0	0	.00
1912	0	0	0	0	0	.00
1913	0	0	0	0	0	.00
1914	0	0	0	0	0	.00
1915	0	0	0	0	0	.00
1916	0	0	0	0	0	.00
1917	0	0	0	0	0	.00
1918	0	0	0	0	0	.00
1919	0	0	0	0	0	.00
1920	0	0	0	0	0	.00
1921	0	0	0	0	0	.00
1922	100283	45487	2180	6055	16955	.37
1923	0	0	0	0	0	.00
1924	0	0	0	0	0	.00
1925	179545	81440	13685	38013	106438	1.31
1926	0	0	0	0	0	.00
1927	0	0	0	0	0	.00
1928	58724	26636	3226	8986	25161	.94
1929	5516806	2502381	297190	816456	2286076	.91
1930	3527894	1600225	127604	358768	1004551	.63
1931	0	0	0	0	0	.00
1932	0	0	0	0	0	.00
1933	0	0	0	0	0	.00
1934	0	0	0	0	0	.00
1935	0	0	0	0	0	.00
1936	0	0	0	0	0	.00
1937	120011	54436	5883	18384	51476	.95
1938	0	0	0	0	0	.00
1939	0	0	0	0	0	.00
1940	0	0	0	0	0	.00
1941	1100949	499382	37553	105190	294533	.59
1942	4710394	2136598	160671	430753	1206109	.56
1943	3299812	1496769	131992	341948	957454	.64
1944	2429176	1101855	104455	261791	733017	.67
1945	237799	107863	15314	37534	105096	.97
1946	42628	19335	3329	7926	22193	1.15
1947	0	0	0	0	0	.00
1948	0	0	0	0	0	.00
1949	0	0	0	0	0	.00
1950	0	0	0	0	0	.00
1951	0	0	0	0	0	.00
1952	744920	337890	130630	205070	574197	1.70
1953	171787	77921	20546	32305	90454	1.16
1954	1420048	644122	170122	263346	737370	1.14
1955	3095640	1404158	422555	650084	1820236	1.30
1956	2454297	1113250	364218	540382	1513071	1.36
1957	22591677	10247412	2731334	3969962	11115894	1.08
1958	92478339	41947469	10061643	14414961	40361891	.96
1959	89963215	40806628	11011498	15465587	43303644	1.06
1960	90459368	41031679	12076326	16749411	46898353	1.14
1961	103874146	47116520	13077755	18038282	50507191	1.07
1962	126264684	57272697	15278027	20786431	58202008	1.02
1963	132939970	60300556	16989728	22713540	63597911	1.05
1964	144152666	65386549	20426433	26631594	74568465	1.14
1965	121349121	55043035	18323817	23165381	64863069	1.18
1966	164789837	74747413	24883265	30088591	84248056	1.13
1967	537064861	243608526	77820698	90594526	253664672	1.04
1968	693515176	314573192	97785640	110243112	308680716	.98
1969	720571567	326845768	109743049	118385167	331478468	1.01
1970	680484067	308662380	108401112	111984620	313556936	1.02
1971	731450664	331780440	122371696	122371696	342640752	1.03
1972	807219666	366148680	153944862	146753920	410910980	1.12
1973	912729270	414007036	220387609	193832550	542731136	1.31
1974	960117440	435501948	335080986	258949760	725059328	1.66
1975	740427997	335852492	277660498	189529352	530682184	1.58
1976	699292826	317193892	263101933	164028638	459280184	1.45
1977	651288737	295419604	231409401	134775422	377371184	1.28
1978	611697356	277461256	212607650	116369813	325835476	1.17
1979	637923879	289357404	278881182	138954252	389071904	1.34
1980	558494904	253329025	242806654	109028583	305280032	1.21
1981	542405081	246030807	286283503	116233660	325454248	1.32
1982	565448224	256483000	275204000	98287143	275204000	1.07
TOTAL	12183613451	5526383156		2416725635	6766831809	

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